MATHS MATE

ORANGE

THE EDUCATIONAL ADVANTAGE

J. B. Wright & I. Tutos

MATHS MATE
Student Workbook - 2nd Edition

Preface
The Maths Mate Review Program is designed to be used in schools by students from years 3 to 10 (Australia) and years 4 to 11 (New Zealand). Emphasis is placed on the review and gradual development of basic skills.

It is not expected that all students will be able to complete every question from week one. Some questions have been designed to offer a real challenge. However, a major strength of the program is that students are consistently confronted with problems relating to their understanding of the same basic skill, encouraging them to see the need to master that skill in order to progress.

RECOMMENDED GRADE / YEAR LEVEL INDICATOR

		AUS 1	2	3	4	5	6	7	8	9	10	11	12
Orange	Student Workbook - 2nd Ed.		▬	▬									
Rose	Student Workbook - 2nd Ed.			▬	▬								
Yellow	Student Workbook - 5th Ed.				▬	▬							
Red	Student Workbook - 5th Ed.					▬	▬						
Blue	Student Workbook - 6th Ed.						▬	▬					
Green	Student Workbook - 6th Ed.							▬	▬				
Mauve	Student Workbook - 6th Ed.								▬	▬			
Coffee	Student Workbook - 3rd Ed.									▬	▬		
Lime	Student Workbook - 6th Ed.									▬	▬		
Silver	Student Workbook - 3rd Ed.										▬	▬	

NZ	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13

Maths Mate Orange cover painting
Banner Fish - 2003
Acrylic on canvas 45×60 cm
by Australian artist Susan Betts - Kokata, Mirning and Wirangu.

'Banner Fish' was purchased by The Educational Advantage who have been kindly given permission to reproduce the painting. This contemporary Aboriginal artwork combines traditional and modern techniques. Susan's rich and vibrant art reflects the Australian landscape and wildlife, both flora and fauna.

MATHS MATE

ORANGE

Worksheet Results

Term 1

	Sheet 1	Sheet 2	Sheet 3	Sheet 4	Skill Builder links	Sheet 5	Sheet 6	Sheet 7	Sheet 8	Skill Builder links
NUMBER & ALGEBRA										
1. [Counting]	1	1	1	1	1.1	1	1	1	1	1.2,3
2. [Addition / Subtraction]	2	2	2	2	2.1,11	2	2	2	2	2.2,3
3. [Multiplication / Division]	3	3	3	3	3.1,10	3	3	3	3	3.2,11
4. [+ Whole Numbers]	4	4	4	4	4.1	4	4	4	4	4.2,3,4,5,6
5. [− Whole Numbers]	5	5	5	5	5.1	5	5	5	5	5.2,3,4,5,6
6. [× Whole Numbers]	6	6	6	6	6.1	6	6	6	6	6.2,5
7. [÷ Whole Numbers]	7	7	7	7	7.1	7	7	7	7	7.2
8. [Word Problems]	8	8	8	8	8.1	8	8	8	8	8.2
9. [Fractions]	9	9	9	9	9.1	9	9	9	9	9.2,3
10. [Place Value]	10	10	10	10	10.1	10	10	10	10	10.2
11. [Word Numbers]	11	11	11	11	11.1	11	11	11	11	11.2
12. [Money]	12	12	12	12	12.1	12	12	12	12	12.2
13. [Number Patterns]	13	13	13	13	13.1	13	13	13	13	13.2
MEASUREMENT & SPACE										
14. [Time]	14	14	14	14	14.1	14	14	14	14	14.2
15. [Measuring]	15	15	15	15	15.1	15	15	15	15	15.2,3
16. [Shapes]	16	16	16	16	16.1	16	16	16	16	16.2
17. [Location]	17	17	17	17	17.1	17	17	17	17	17.2,3
S & P										
18. [Statistics / Probability]	18	18	18	18	18.1	18	18	18	18	18.2
PROBLEM SOLVING										
19. [Problem Solving 1]	19	19	19	19	Hints & Solutions	19	19	19	19	Hints & Solutions
20. [Problem Solving 2]	20	20	20	20	Hints & Solutions	20	20	20	20	Hints & Solutions
21. [Problem Solving 3]	21	21	21	21	Hints & Solutions	21	21	21	21	Hints & Solutions
Total Correct										

MATHS MATE
Term 1 - Sheet 1

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

How many balloons are there?

2. [Addition / Subtraction]

Complete the addition.

plus

$6 + 5 =$ ☐

3. [Multiplication / Division]

How many groups of 5 books?

4. [+ Whole Numbers]
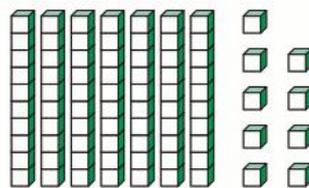
6 add on 4 is ☐

5. [− Whole Numbers]

19 subtract 6 makes ☐

6. [× Whole Numbers]

9 multiplied by 2 is ☐

7. [÷ Whole Numbers]

20 shared between 5 is ☐

8. [Word Problems]

In the wild a lion sleeps for about 13 hours each day. A koala sleeps 9 hours more each day. For how many hours each day does a koala sleep?
[Write the number sentence.]

☐ = h

9. [Fractions]

Circle the picture that shows thirds.

10. [Place Value]

7 tens 9 ones = ☐

11. [Word Numbers]

Write in numerals:

sixteen ☐

12. [Money]
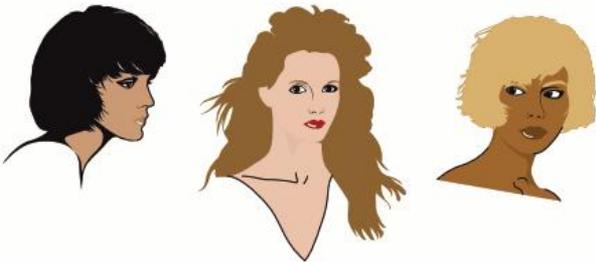
What is the value of the coin?

cents

13. [Number Patterns]

2 , 4 , 6 , 8 , 10 , __ , __

14. [Time]

Which day comes after Wednesday?

15. [Measuring]

Circle the girl with the longest hair.

16. [Shapes]

Circle the triangular prism.

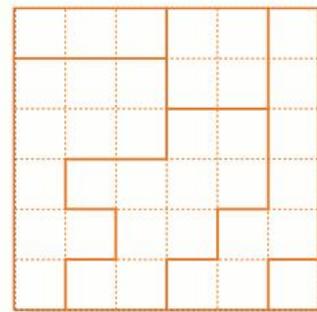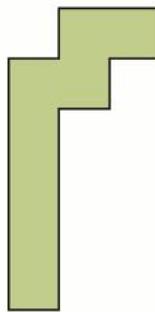**17.** [Location]

Is the witch flying 'in front of' or 'behind' the moon?

18. [Statistics / Probability]
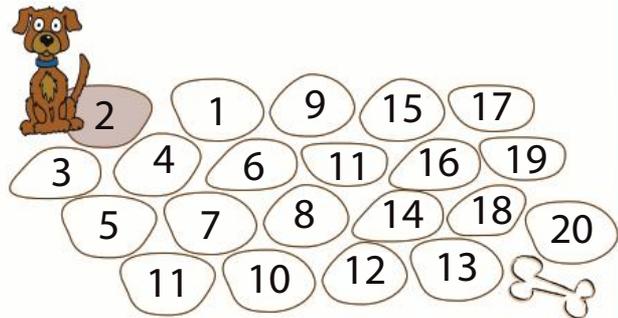
How many moons does Mars have?

Number of moons

Earth	Mars	Pluto	Venus

Key: = 1 moon

19. [Problem Solving 1]

Find and colour this shape inside the grid.

20. [Problem Solving 2]

Start at 2. Colour the path to the bone by counting by 2s.

2   1   9   15   17
3   4   6   11   16   19
5   7   8   14   18   20
11   10   12   13

21. [Problem Solving 3]

Draw 2 more straight lines to separate the dots so that one dot is in each area. [Hint: A ruler may help.]

MATHS MATE
Term 1 - Sheet 2

ORANGE

1. [Counting]

How many butterflies are there?

2. [Addition / Subtraction]

Complete the addition.

plus

☐ + ☐ = ☐

3. [Multiplication / Division]

How many groups of 4 anchors?

4. [+ Whole Numbers]

The sum of 8 and 7 is

5. [– Whole Numbers]

140 minus 10 equals

6. [× Whole Numbers]

9 lots of 5 are

7. [÷ Whole Numbers]

36 divided by 6 is

8. [Word Problems]

The first mandarin that Frankie ate had 8 pips, but the second only had 4 pips. How many pips in total?
[Write the number sentence.]

=
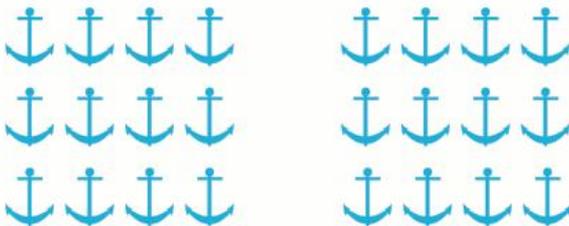
9. [Fractions]

Circle the picture that shows halves.

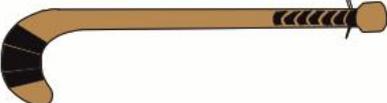**10.** [Place Value]

7 hundreds 1 ten 5 ones = ☐

11. [Word Numbers]

Write in numerals:

thirty-four

12. [Money]

Circle the coin with the greatest value.

13. [Number Patterns]
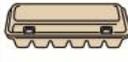
7 , 9 , 11 , 13 , 15 , [__ , __]

14. [Time]

Which day comes before Sunday?

15. [Measuring]

Which stick is the shortest?

A)
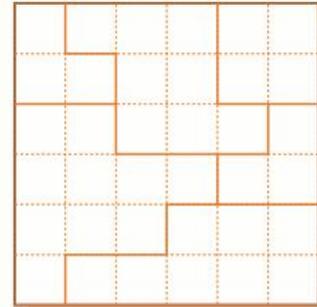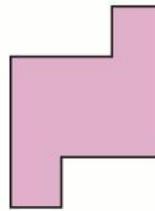
B)

C)

16. [Shapes]

Circle the cylinder.

17. [Location]

Is the gift 'on' or 'under' the tree?

18. [Statistics / Probability]

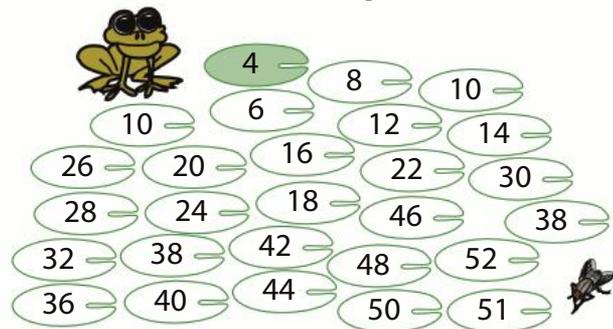How much is the loaf of bread?

Cost of everyday items

	$ $ $	$ $ $	$ $ $
$ $	$ $		

| MILK | YOGURT | | |

Each $ = 1 dollar   dollars

19. [Problem Solving 1]

Find and colour this shape inside the grid.

20. [Problem Solving 2]

Start at 4. Colour the lilypad path to the fly by counting by 4s.

4   8   10
10   6   12   14
26   20   16   22   30
28   24   18   46   38
32   38   42   48   52
36   40   44   50   51

21. [Problem Solving 3]

Draw 3 straight lines to separate the dots so that one dot is in each area. [Hint: A ruler may help.]

MATHS MATE
Term 1 - Sheet 3

ORANGE
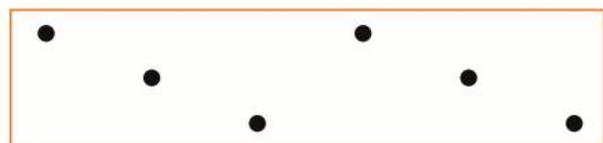
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

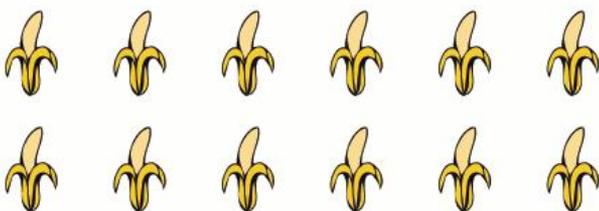How many ghosts are there?

2. [Addition / Subtraction]

Take away 6.

$10 - 6 =$ ☐

3. [Multiplication / Division]

Circle to divide 12 bananas into 4 equal groups. How many in each group?

4. [+ Whole Numbers]

The total of 9 and 3 is ☐

5. [− Whole Numbers]

The difference between 23 and 8 is ☐

6. [× Whole Numbers]

7 times 3 is ☐

7. [÷ Whole Numbers]

How many 4s in 32? ☐
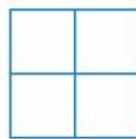
8. [Word Problems]

The annual average maximum temperature in the USA is 17°C and in India is 14°C higher. What is the annual average maximum temperature in India?
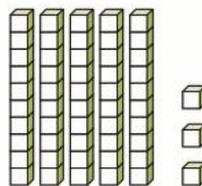[Write the number sentence.]

☐ = ☐ °C

9. [Fractions]

Circle the pictures that show quarters.

10. [Place Value]

☐ tens ☐ ones = ☐

11. [Word Numbers]

Write in numerals:

seventy-nine ☐

12. [Money]

Circle the coin with the greatest value.

13. [Number Patterns]

2 , 5 , 8 , 11 , 14 , [__ , __]

14. [Time]

Yesterday was Monday. What day is today?

15. [Measuring]

Which person is likely to be the shortest?

A) teenager
B) man
C) baby

16. [Shapes]

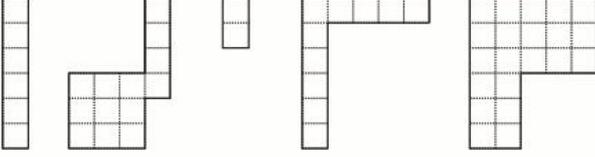What shape is this object?

17. [Location]

Is the bird 'above' or 'below' the scarecrow?

18. [Statistics / Probability]
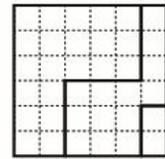
How many toes does a pig have on each foot?

Hoofed animals - Number of toes on a foot

horse	hippo	rhinoceros	pig

Key: ◻ = 1 toe

19. [Problem Solving 1]

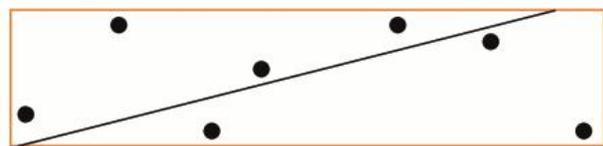| 1	2	3	4	5

Which shapes were used to complete the square?

[ ] , [ ] and [ ]

20. [Problem Solving 2]

Start at 3. Colour the log path across the river by counting by 3s.
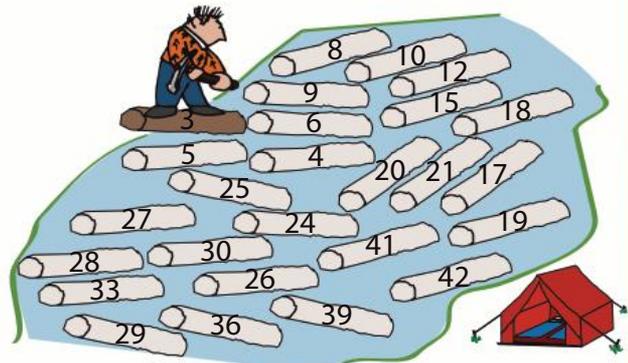
21. [Problem Solving 3]

Draw 2 more straight lines to separate the dots so that one dot is in each area. [Hint: A ruler may help.]
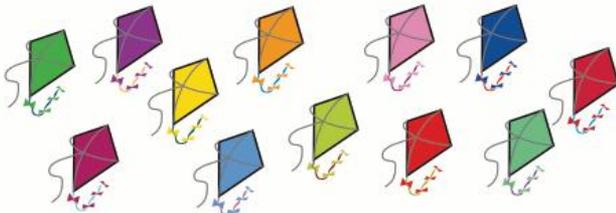
MATHS MATE
Term 1 - Sheet 4

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

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1. [Counting]

How many fish are there?

2. [Addition / Subtraction]

Take away 7.

☐ − ☐ = ☐

3. [Multiplication / Division]

Circle to divide 15 dolphins into 3 equal groups. How many in each group?

☐

4. [+ Whole Numbers]

7 and 9 together make

☐

5. [− Whole Numbers]

34 take away 7 is

☐

6. [× Whole Numbers]

4 groups of 5 are

☐

7. [÷ Whole Numbers]

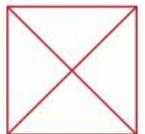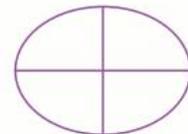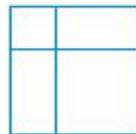21 shared between 3 is

☐

8. [Word Problems]

The maximum capacity of a Boeing 787 is 290 passengers. The maximum capacity of an Airbus A380 is 850 passengers. What is their combined maximum capacity?
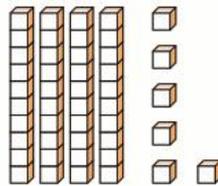
[Write the number sentence.]

☐ =

9. [Fractions]

Circle the pictures that show quarters.

10. [Place Value]

☐ tens ☐ ones = ☐

11. [Word Numbers]

Write in numerals:

ninety-eight

☐

12. [Money]

Circle the coin with the smallest value.

13. [Number Patterns]

5 , 15 , 25 , 35 , 45 , __ , __

14. [Time]

Today is Wednesday. What day was it a week ago?

15. [Measuring]

Which is likely to be the longest?

A) long jump pit
B) soccer field
C) lap pool

16. [Shapes]

What shape is this object?

17. [Location]

Is most of Santa 'inside' or 'outside' the chimney?

18. [Statistics / Probability]

How many more gold medals than silver medals did Hungary win in the 2016 Olympics?

2016 Olympics - Hungary

Gold

Silver

= 1 medal

19. [Problem Solving 1]

1   2   3   4   5

Which shapes were used to complete the square?

__ , __ and __
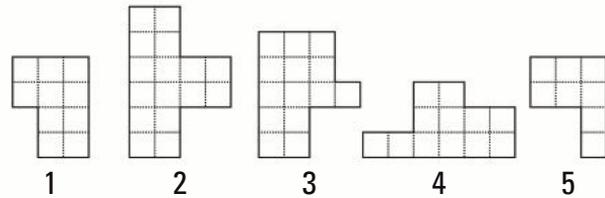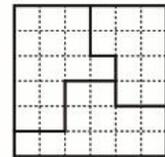
20. [Problem Solving 2]

Start at 10. Connect the dots by counting by 10s. What have you drawn?
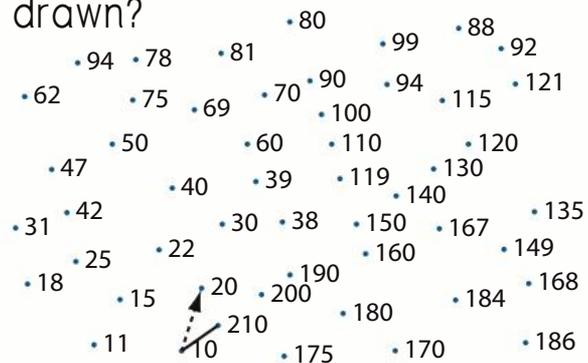
80
94 78 81   99 88
62   75 70 90 94 92
69 100 115 121
50 60 110 120
47   39 119 130
42 40   140
31   30 38 150 167 135
18 25 22   160 149
15 20 190 184 168
11 200 180
10 210 175 170 186

21. [Problem Solving 3]

Draw 3 straight lines to separate the dots so that one dot is in each area. [Hint: A ruler may help.]

MATHS MATE

Term 1 - Sheet 5

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Write the numbers before and after 80.

☐ | 80 | ☐

2. [Addition / Subtraction]

Circle two blocks that add to 10.

3. [Multiplication / Division]

Circle to make 3 equal groups.
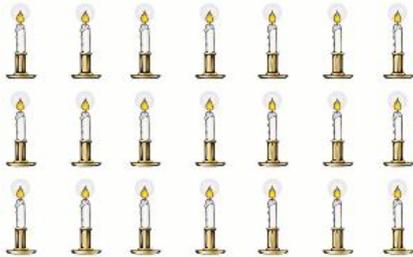
21 divided into 3 groups = ☐

4. [+ Whole Numbers]

2	5	8	7	10
+ 5				

5. [− Whole Numbers]

19	15	11	12	10
− 10				

6. [× Whole Numbers]

3	7	9	12	10
× 3				

7. [÷ Whole Numbers]

$50 \div 10 =$ ☐

8. [Word Problems]

The average Australian class size in 2018 was 25. The average Chinese class size in 2018 was 48. What was the difference between the two class sizes?
[Write the number sentence.]

☐ =

9. [Fractions]

Colour one quarter of the rhombus.

10. [Place Value]

Write the numeral.

H   T   O
Hundreds Tens Ones

☐

11. [Word Numbers]

Write the number 17 in words.

☐

12. [Money]

Match the fronts to the backs of the notes.

13. [Number Patterns]

18 , 16 , 14 , 12 , 10 , ☐ __ , __

14. [Time]

Mark this birthday with a star.

Steven Adams - 28 July

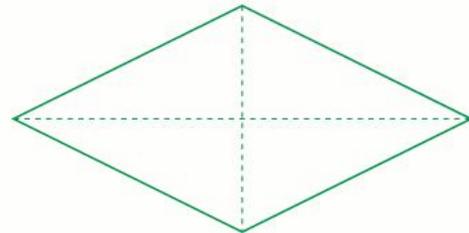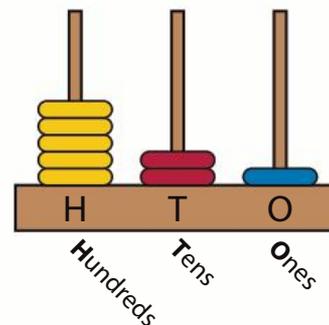| JULY - 2021						
Sun	Mon	Tue	Wed	Thu 1	Fri 2	Sat 3
Sun 4	Mon 5	Tue 6	Wed 7	Thu 8	Fri 9	Sat 10
Sun 11	Mon 12	Tue 13	Wed 14	Thu 15	Fri 16	Sat 17
Sun 18	Mon 19	Tue 20	Wed 21	Thu 22	Fri 23	Sat 24
Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat 31

15. [Measuring]

Which animal is likely to weigh the least?

A)   B)   C)

☐

16. [Shapes]

Circle the shape that does **not** belong.
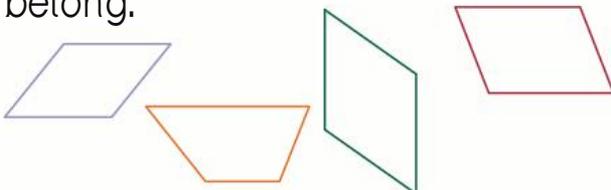
17. [Location]

Whose image is to the right of Prince Charles?

[As seen from your perspective.]

Richard Nixon   Prince Charles   Albert Einstein
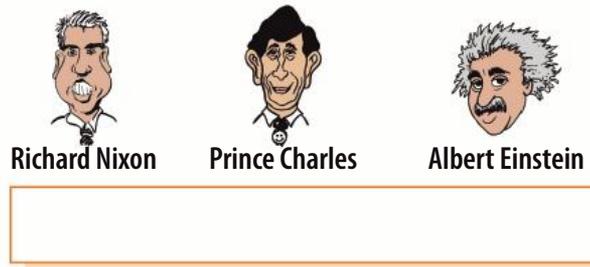
18. [Statistics / Probability]

What number is shown by the tally marks?

☐

19. [Problem Solving 1] *

You have $10. You buy four chocolates. How much change do you receive?

chocolate $2.20

$ ☐

20. [Problem Solving 2] *

If you continue the pattern, how many squares would be in the next figure?

fig. 1   fig. 2   fig. 3   fig. 4

☐
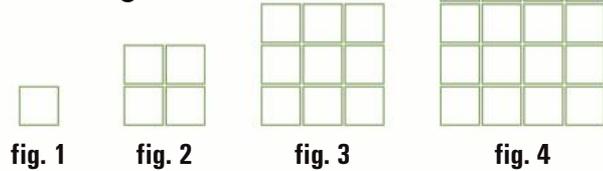
21. [Problem Solving 3] *

A 'combo' combines one size of popcorn and one size of lemonade. How many different 'combos' are available?

Popcorn	Lemonade
small $1.50	small $1.25
medium $2.50	medium $2.00
large $3.00	large $2.50
jumbo $4.00	

☐

MATHS MATE

Term 1 - Sheet 6

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

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1. [Counting]

Write the numbers before and after 102.

	102	

2. [Addition / Subtraction]

Draw lines to join pairs of numbers that add to 10.

2	5	1	7	4
3	6	9	5	8

3. [Multiplication / Division]

Circle to make 4 equal groups.
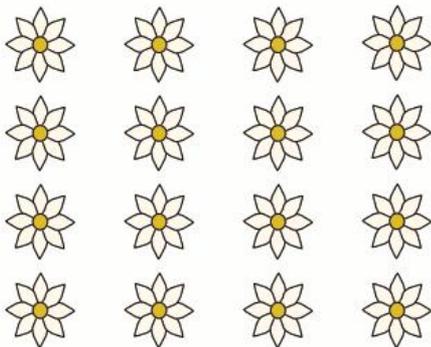
16 divided into 4 groups = ☐

4. [+ Whole Numbers]

	1	6	4	5	8
+ 8					

5. [− Whole Numbers]

	13	11	6	9	4
− 4					

6. [× Whole Numbers]

	5	9	6	8	3
× 2					

7. [÷ Whole Numbers]

$8 \div 1 =$ ☐

8. [Word Problems]

The stone pedestal of the Statue of Liberty measures 47 metres. If the total height from the ground to the top of the statue is 93 metres, how tall is the actual statue? [Write the number sentence.]
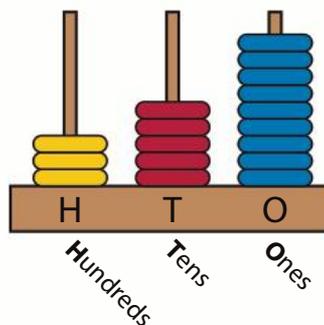
	=	m

9. [Fractions]

Colour one third of the triangle.

10. [Place Value]

Write the numeral.

H   T   O

Hundreds   Tens   Ones
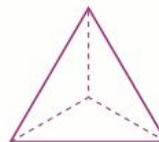
11. [Word Numbers]

Write the number 16 in words.

---

12. [Money]

What is the value of the note?

dollars

13. [Number Patterns]

27 , 24 , 21 , 18 , 15 , [__ , __]

14. [Time]

What is the date of Easter Sunday in 2021?

APRIL - 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4 Easter	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

15. [Measuring]

Which container is likely to hold the greatest volume?

A)   B)   C)
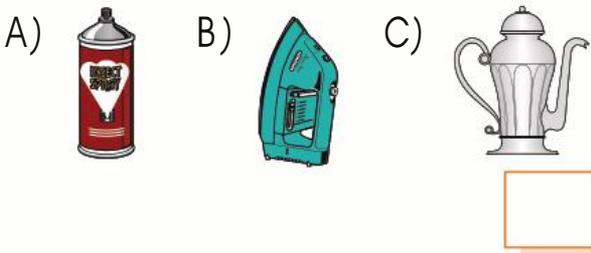
16. [Shapes]

Circle the shape that does **not** belong.

17. [Location]

Which letterbox is directly to the right of McKenna? [As seen from your perspective.]
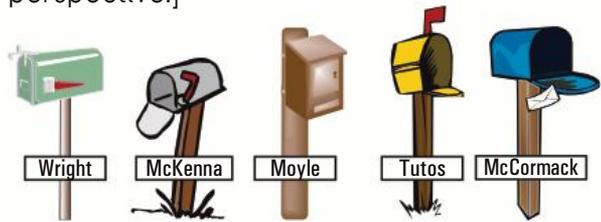
Wright   McKenna   Moyle   Tutos   McCormack

18. [Statistics / Probability]

What number is shown by the tally marks?

IIII III

19. [Problem Solving 1] *

You have $10. You buy four bread sticks. How much change do you receive?

bread stick
$2.10

$

20. [Problem Solving 2] *

If you continue the pattern, how many squares would be in the next figure?

fig. 1   fig. 2   fig. 3   fig. 4
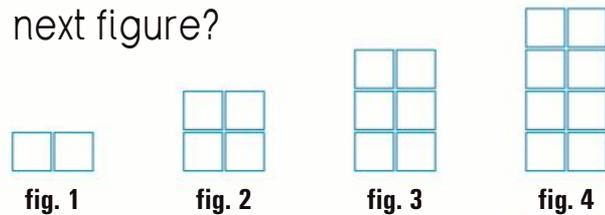
21. [Problem Solving 3] *

At 'Hungrys' a discount applies when ordering one main and one dessert. How many discount orders are possible?

MAIN	DESSERT
hamburger	apple pie
cheeseburger	jelly slice
hot dog	sundae
fried chicken	
pizza	

MATHS MATE
Term 1 - Sheet 7

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count backwards from 20.

20	19				

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$$8 + 6 + 2 = \boxed{}$$

3. [Multiplication / Division]

Fill in the gaps.

$\boxed{}$ groups of $\boxed{}$ ears =

$\boxed{}$ ears

4. [+ Whole Numbers]

	7	3	4	6	0
+ 7					

5. [− Whole Numbers]

	10	6	14	11	15
− 6					

6. [× Whole Numbers]

	2	10	5	11	4
× 8					

7. [÷ Whole Numbers]

$$40 \div 10 = \boxed{}$$

8. [Word Problems]

The last two major eruptions of Mount Ruapehu Volcano were recorded in 1945 and 1995. How many years apart were the eruptions?
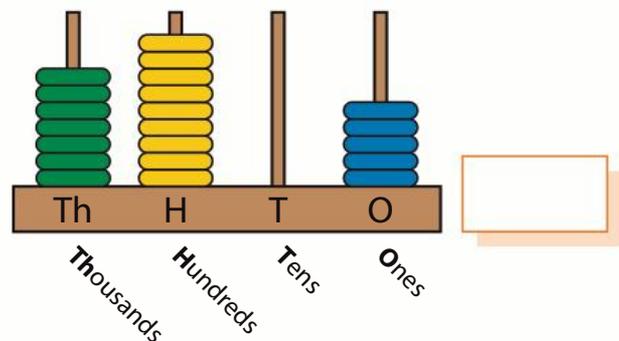[Write the number sentence.]

$\boxed{} = \quad$ years

9. [Fractions]

Colour one half of the stars.

10. [Place Value]

Write the numeral.

Th	H	T	O
Thousands	Hundreds	Tens	Ones

$\boxed{}$

11. [Word Numbers]

Write the number 45 in words.

$\boxed{}$

12. [Money]

Which note has the greatest value?

A) ![$50 note]

B) ![$20 note]

C) ![$100 note]

☐
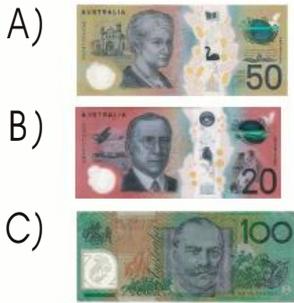
13. [Number Patterns]

35 , 30 , 25 , 20 , 15 , ☐ __ , __

14. [Time]

How many Saturdays in February 2021?

FEBRUARY - 2021

| Sun	Mon	Tue	Wed	Thu	Fri	Sat
Sun	Mon 1	Tue 2	Wed 3	Thu 4	Fri 5	Sat 6
Sun 7	Mon 8	Tue 9	Wed 10	Thu 11	Fri 12	Sat 13
Sun 14	Mon 15	Tue 16	Wed 17	Thu 18	Fri 19	Sat 20
Sun 21	Mon 22	Tue 23	Wed 24	Thu 25	Fri 26	Sat 27
Sun 28	Mon	Tue	Wed	Thu	Fri	Sat

☐

15. [Measuring]

Which object is likely to weigh the most?

A) a 10¢ coin
B) a mobile phone
C) tub of ice cream

☐

16. [Shapes]

Circle the shape that does **not** belong.
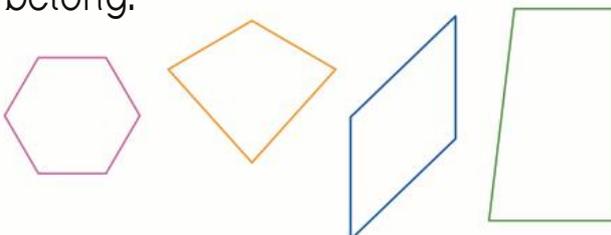
17. [Location]

Whose image is to the left of William Shakespeare?
[As seen from your perspective.]

Mahatma Ghandi   William Shakespeare   Sir Winston Churchill
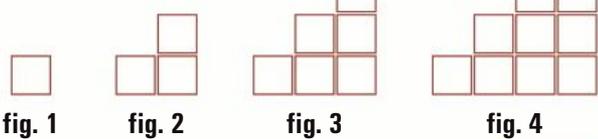
☐
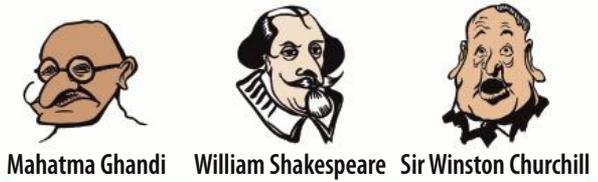
18. [Statistics / Probability]

Use tally marks (|) to show the number 11.

☐

19. [Problem Solving 1] *

You have $10. You buy three markers. How much change do you receive?

marker $3.25

☐ ¢

20. [Problem Solving 2] *

If you continue the pattern, how many squares would be in the fifth figure?

fig. 1   fig. 2   fig. 3   fig. 4

☐

21. [Problem Solving 3] *

When ordering a smoothie, there is a choice of one flavour and one size. How many different orders are possible?

SMOOTHIE Delights
small $4.00
large $6.00

mango
strawberry
banana
orange

☐

MATHS MATE
Term 1 - Sheet 8

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count on from 208.

208				

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$5 + 7 + 3 + 8 = \boxed{}$

3. [Multiplication / Division]

Fill in the gaps.

♫♩ ♫♩ ♫♩ ♫♩ ♫♩

$\boxed{}$ groups of $\boxed{}$ notes =

$\boxed{\qquad}$ notes

4. [+ Whole Numbers]

	2	9	7	5	8
+ 4					

5. [− Whole Numbers]

	13	10	14	9	17
− 8					

6. [× Whole Numbers]

	9	3	12	1	7
× 4					

7. [÷ Whole Numbers]

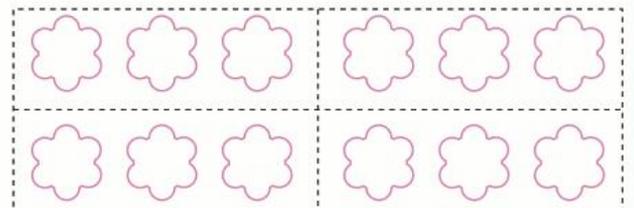$7 \div 1 = \boxed{}$

8. [Word Problems]

In 2019, the tallest living man in the world was 251 cm tall. How many centimetres shorter is netballer Irene van Dyke who is 190 cm tall?
[Write the number sentence.]

	=	cm

9. [Fractions]

Colour one quarter of the flowers.

10. [Place Value]

Write the numeral.

Th H T O

Thousands Hundreds Tens Ones

$\boxed{}$
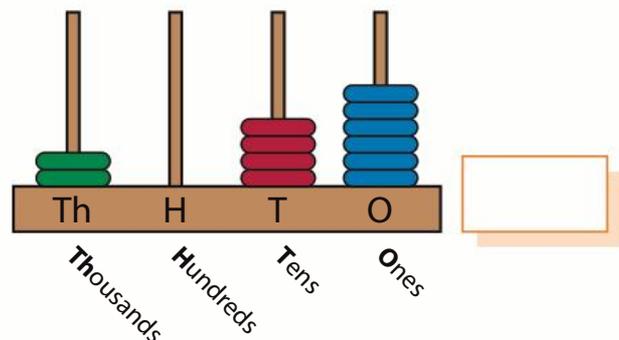
11. [Word Numbers]

Write the number 87 in words.

12. [Money]

Which note has the smallest value?

A)

B)

C)

13. [Number Patterns]

90 , 80 , 70 , 60 , 50 , [__ , __]

14. [Time]

Which day of the week is ANZAC Day in 2021?

APRIL - 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Sun	Mon	Tue	Wed	Thu 1	Fri 2	Sat 3
Sun 4	Mon 5	Tue 6	Wed 7	Thu 8	Fri 9	Sat 10
Sun 11	Mon 12	Tue 13	Wed 14	Thu 15	Fri 16	Sat 17
Sun 18	Mon 19	Tue 20	Wed 21	Thu 22	Fri 23	Sat 24
Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat

15. [Measuring]

Which object is likely to have the least capacity?

A) bucket
B) measuring spoon
C) sink

16. [Shapes]

Circle the shape that does **not** belong.
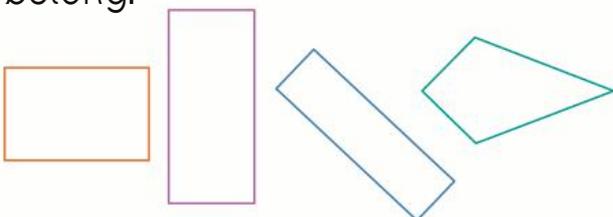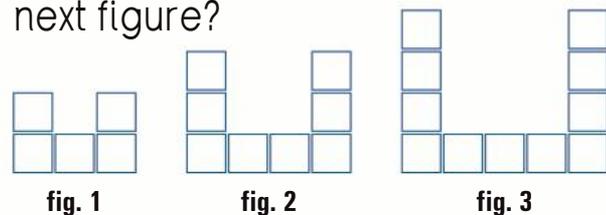
17. [Location]

Draw sauce on the hotdog in the middle.

18. [Statistics / Probability]

Use tally marks (|) to show the number 9.

Number	Tally
9	

19. [Problem Solving 1] *

Board shorts cost $45. How much would you have to pay in a half price sale?

SALE $45

$ [ ]

20. [Problem Solving 2] *

If you continue the pattern, how many squares would be in the next figure?

fig. 1   fig. 2   fig. 3

21. [Problem Solving 3] *

At the Year 4 camp, students choose one sport and one activity. How many combinations are possible?

SPORT	ACTIVITY
• swimming	• archery
• running	• rock climbing
• cycling	• flying fox
• baseball	• abseiling

MATHS MATE

ORANGE

Worksheet Results

Term 2

	Sheet 1	Sheet 2	Sheet 3	Sheet 4	Skill Builder links	Sheet 5	Sheet 6	Sheet 7	Sheet 8	Skill Builder links
NUMBER & ALGEBRA										
1. [Counting]	1	1	1	1	1.4	1	1	1	1	1.5
2. [Addition / Subtraction]	2	2	2	2	2.5,12	2	2	2	2	2.6,13
3. [Multiplication / Division]	3	3	3	3	3.3,12	3	3	3	3	3.4,13
4. [+ Whole Numbers]	4	4	4	4	4.2,3,4,5,6	4	4	4	4	4.7
5. [− Whole Numbers]	5	5	5	5	5.7	5	5	5	5	5.2,3,4,5,6
6. [× Whole Numbers]	6	6	6	6	6.2,3,4,5	6	6	6	6	6.2,5
7. [÷ Whole Numbers]	7	7	7	7	7.3	7	7	7	7	7.3
8. [Word Problems]	8	8	8	8	8.3	8	8	8	8	8.4
9. [Fractions]	9	9	9	9	9.4	9	9	9	9	9.5,6,7
10. [Place Value]	10	10	10	10	10.3,4	10	10	10	10	10.5
11. [Word Numbers]	11	11	11	11	11.1,2	11	11	11	11	11.1,3
12. [Money]	12	12	12	12	12.3	12	12	12	12	12.4
13. [Number Patterns]	13	13	13	13	13.1	13	13	13	13	13.2
MEASUREMENT & SPACE										
14. [Time]	14	14	14	14	14.3	14	14	14	14	14.4
15. [Measuring]	15	15	15	15	15.4	15	15	15	15	15.5
16. [Shapes]	16	16	16	16	16.3	16	16	16	16	16.4
17. [Location]	17	17	17	17	17.4	17	17	17	17	17.5
S & P										
18. [Statistics / Probability]	18	18	18	18	18.3	18	18	18	18	18.4
PROBLEM SOLVING										
19. [Problem Solving 1]	19	19	19	19	Hints & Solutions	19	19	19	19	Hints & Solutions
20. [Problem Solving 2]	20	20	20	20	Hints & Solutions	20	20	20	20	Hints & Solutions
21. [Problem Solving 3]	21	21	21	21	Hints & Solutions	21	21	21	21	Hints & Solutions
Total Correct										

MATHS MATE
Term 2 - Sheet 1

Name: ....

Due Date: ..../ ..../ ....

Parent's Signature: ....

1. [Counting]

Count by 3s.

3	6				

2. [Addition / Subtraction]

Complete the addition.

plus
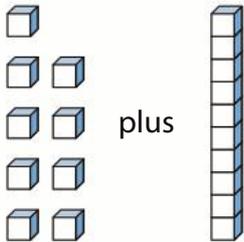
$9 + 10 = \boxed{}$

3. [Multiplication / Division]

Complete the multiplication.
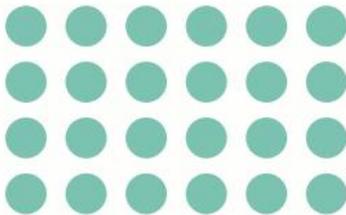
4 rows of 6 =

$4 \times 6 = \boxed{}$

4. [+ Whole Numbers]

7	10	6	15	8
+ 10				

5. [− Whole Numbers]

$55 - 21 = \boxed{}$

6. [× Whole Numbers]

7	4	8	10	2
× 3				

7. [÷ Whole Numbers]

$48 \div 6 = \boxed{}$

8. [Word Problems]

A water-saving toilet uses 3 litres of water for every half flush. How much water is used in a day, if the toilet is flushed 9 times? [Write the number sentence.]

$\boxed{ = \text{L}}$

9. [Fractions]

Draw a line to divide the crown into halves.

10. [Place Value]

Expand 805.

hundreds	tens	ones

11. [Word Numbers]

Write in numerals:

seventy

$\boxed{}$

12. [Money]

How much money in total?

$ [ ]

13. [Number Patterns]

10 , 13 , 16 , 19 , 22 , [__ , __]

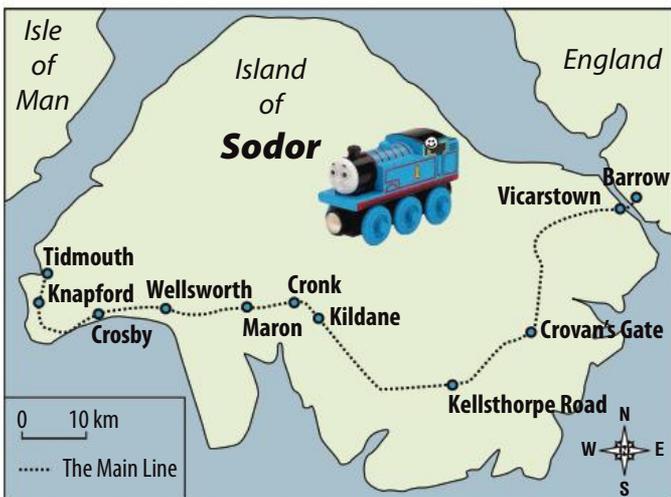**14.** [Time]

Which month comes after April?

[ ]

15. [Measuring]

A horse weighs:

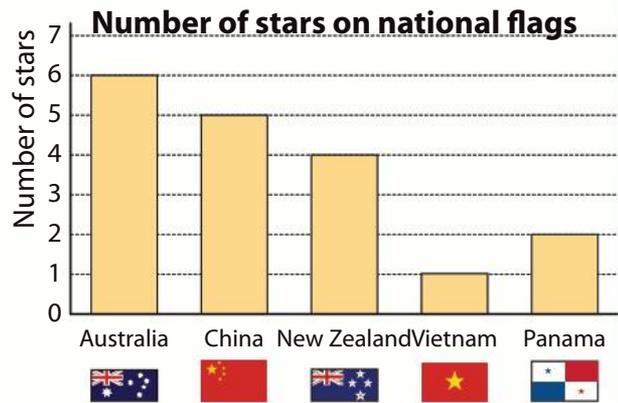A) less than a kilogram
B) about a kilogram
C) more than a kilogram   [ ]

16. [Shapes]

What shape is the face of a cube?

[ ]
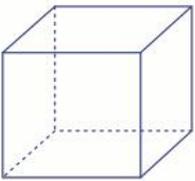
17. [Location]

Which station is furthest along the main line from Barrow?

[ ]

18. [Statistics / Probability]

Which country has a flag with 4 stars?

Number of stars on national flags

[ ]

19. [Problem Solving 1] *

Bill began at 30 and skip counted by threes. Would he say 54?

[ ]

20. [Problem Solving 2] *

What number am I?
I am a 2-digit number.
I have a 4 in the units place.
The other digit is twice as big.

[ ]

21. [Problem Solving 3]

How many pickets have fallen off the gate?

[ ]

MATHS MATE
Term 2 - Sheet 2

ORANGE
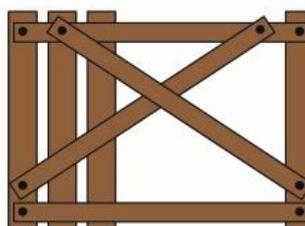
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

When counting by 5s, what is the next number?

5 , 10 , 15 , 20 , 25 , 30 , ☐

2. [Addition / Subtraction]

Complete the addition.

plus

☐ + ☐ = ☐

3. [Multiplication / Division]

Complete the multiplication.

2 rows of 10 =

☐ × ☐ = ☐

4. [+ Whole Numbers]

10	15	9	6	11
+ 6				

5. [− Whole Numbers]

49 − 28 = ☐

6. [× Whole Numbers]

4	10	8	3	6
× 2				

7. [÷ Whole Numbers]

28 ÷ 4 = ☐

8. [Word Problems]

A water-saving shower uses 10 litres of water per minute. How much water is used in a 5-minute shower?
[Write the number sentence.]

☐ = ☐ L

9. [Fractions]

Draw lines to divide the stove top into quarters.
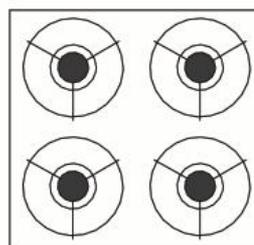
10. [Place Value]

Expand 637.

hundreds   tens   ones

11. [Word Numbers]

Write in numerals:

forty ☐

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

How much money in total?

_____ ¢

13. [Number Patterns]

1 , 6 , 11 , 16 , 21 , ___ , ___

14. [Time]

My birthday is on the 4/6/1959. In which month was I born?

15. [Measuring]

Which object is about 1 metre long?

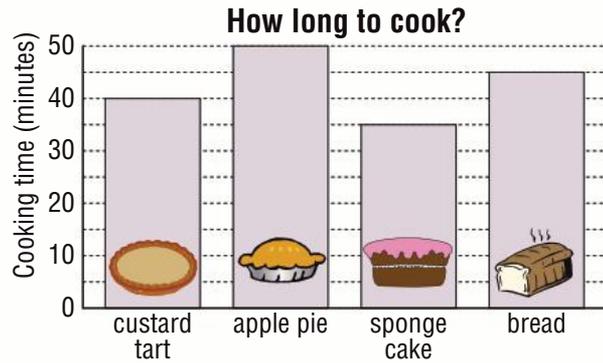A) skipping rope
B) table tennis bat
C) golf club

16. [Shapes]

How many edges does a triangular prism have?
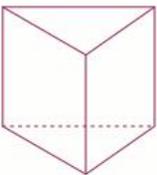
17. [Location]

Which of the 'big things' is closest to the Big Golden Guitar?

Australia's Big Things!

Big Pineapple

Big Golden Guitar

Big Banana

Big Merino

Big Lobster

N
W   E
S

18. [Statistics / Probability]

What is the cooking time for a custard tart?

How long to cook?

Cooking time (minutes)

custard tart | apple pie | sponge cake | bread

_____ min

19. [Problem Solving 1] *

Des skip counted, beginning at 32, until he reached 60. Did he count by 3s, 4s or 8s?

20. [Problem Solving 2] *

What number am I?
I am a 2-digit number.
I have a 7 in the tens place.
You say me when you count by 10s.

21. [Problem Solving 3]

This tin holds 10 litres (L) when filled to the top. The arrow shows how much paint is in the tin. About how much paint is in the tin?

A) 8 L
B) 6 L
C) 4 L

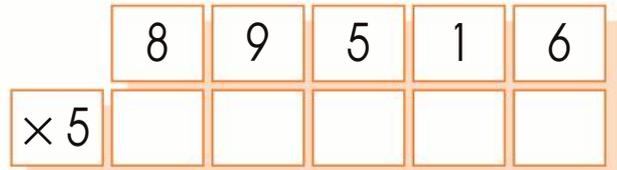Orange 2.2 © Copyright. Not to be reproduced without permission. J. B. Wright 2020

MATHS MATE
Term 2 - Sheet 3

ORANGE
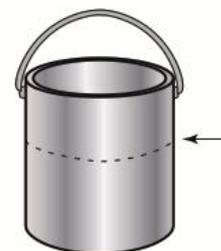
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Use the balls to show counting by 4s.

4					

2. [Addition / Subtraction]

Complete the subtraction.

$18 - 8 = \boxed{}$

3. [Multiplication / Division]

32 divided into 8 groups =

$32 \div 8 = \boxed{}$

4. [+ Whole Numbers]

	13	8	16	9	5
+ 8					

5. [– Whole Numbers]

$86 - 14 = \boxed{}$

6. [× Whole Numbers]

	8	9	5	1	6
× 5					
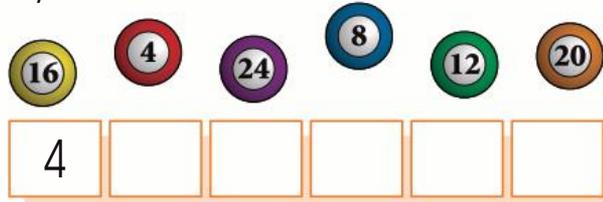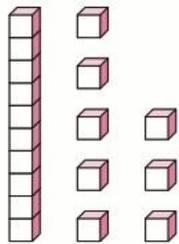
7. [÷ Whole Numbers]

$32 \div 8 = \boxed{}$

8. [Word Problems]

Female elephants live in herds of about 10 individuals. How many female elephants would live in 6 herds?
[Write the number sentence.]

$\boxed{ = }$

9. [Fractions]

Draw lines to divide the target into thirds.
[Hint: A line has been drawn for you.]

10. [Place Value]

Write in standard form:

4 thousands + 0 hundreds + 3 tens + 2 ones = $\boxed{}$

11. [Word Numbers]

Write the number 80 in words.

$\boxed{}$

1	2	3	4	5	6	7	8	9	10	11

12. [Money]

How much money in total?

$ 3.20

13. [Number Patterns]

60 , 70 , 80 , 90 , 100,110

14. [Time]

How many days in September?

30

15. [Measuring]

Which item would hold about 1 litre?
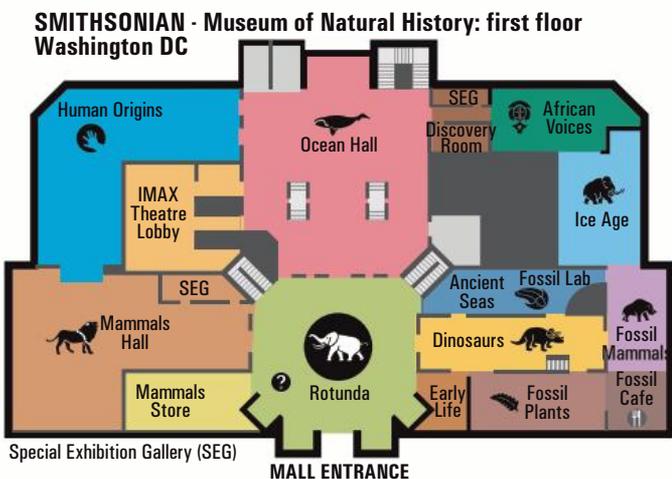
A) jug
B) fish tank
C) swimming pool

A

16. [Shapes]

How many vertices does a rectangular prism have?
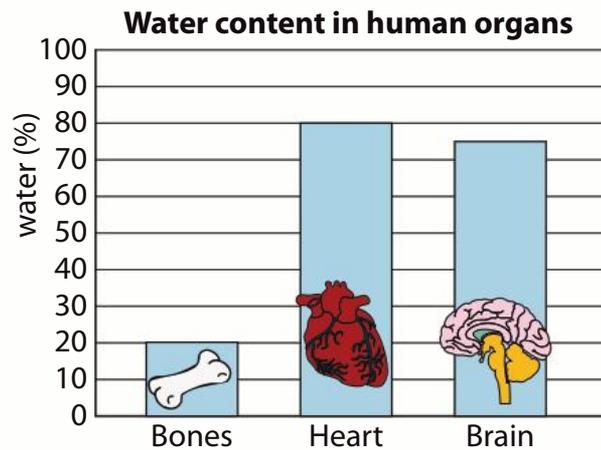
8

17. [Location]

Which section of the museum is between the Fossil Cafe and Early Life?

**SMITHSONIAN · Museum of Natural History: first floor
Washington DC**

Fossil Plants

18. [Statistics / Probability]

Which organ of the body is 80 percent water?

Water content in human organs

heart

19. [Problem Solving 1] *

Pepe skip counted, beginning at 20, until he reached 38. Did he count by 3s, 4s or 5s?

3s

20. [Problem Solving 2] *

What number am I?
I am a 2-digit number.
I have a 3 in the units place.
The total of my digits is 8.

53

21. [Problem Solving 3]

This cylinder holds 100 millilitres (mL). The arrow shows how much liquid is in the cylinder. About how much liquid is in the cylinder?

A) 20 mL
B) 30 mL
C) 40 mL

100 mL

A

MATHS MATE
Term 2 - Sheet 4

ORANGE
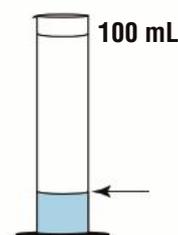
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count by 2s.

2					

2. [Addition / Subtraction]

Complete the subtraction.

$36 - 14 = \boxed{}$

3. [Multiplication / Division]

35 divided into 7 groups =

$35 \div 7 = \boxed{}$

4. [+ Whole Numbers]

	11	7	3	14	18
+ 9					

5. [− Whole Numbers]

$38 - 27 = \boxed{}$

6. [× Whole Numbers]

	2	3	9	4	0
× 7					

7. [÷ Whole Numbers]

$63 \div 7 = \boxed{}$

8. [Word Problems]

How many legs do 7 sheep have?
[Write the number sentence.]

	=	

9. [Fractions]

Draw lines to divide the clock into quarters.
[Hint: A line has been drawn for you.]

10. [Place Value]

Write in standard form:

3 thousands + 5 hundreds + 6 tens + 4 ones = $\boxed{}$

11. [Word Numbers]

Write the number 60 in words.

12. [Money]

How much money in total?

$ _____

13. [Number Patterns]

2 , 6 , 10 , 14 , 18 , _____ , _____ , _____

14. [Time]

In Wellington, which season is in December, January and February?

15. [Measuring]

Which object is about 1 centimetre wide?

A) note book
B) biro
C) drinking straw

16. [Shapes]

How many edges does a cube have?

17. [Location]

As you enter Hogwarts, in which direction is the Quidditch pitch?

A) right B) left C) ahead

Hogsmeade
Hogwarts
Hagrid's cabin
Whomping Willow
Forest extends
Green houses
Quidditch pitch
Cliffs
Vegetable patch
Wall
Lake
Station
Road

18. [Statistics / Probability]

Which landmark is closest to 45 metres high?

Famous Landmarks

Height (m)
90
60
30
0

Brandenburg Gate **Germany**
Statue of Liberty **USA**
Big Ben **UK**
Leaning Tower of Pisa **Italy**
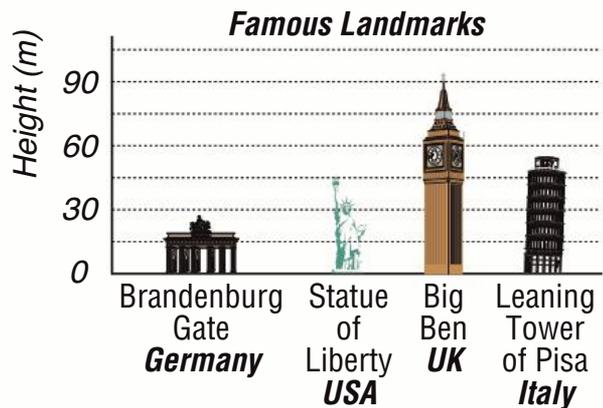
19. [Problem Solving 1] ∗

Jo skip counted, starting at 10, until she reached 42. Could she be counting by tens?

20. [Problem Solving 2] ∗

What number am I?
I am less than 40.
I am odd.
You say me when you count by 5s and 7s.

21. [Problem Solving 3]

There are 4 identical towels on the shelf. How many more identical towels could be placed on this shelf?

MATHS MATE
Term 2 - Sheet 5

ORANGE
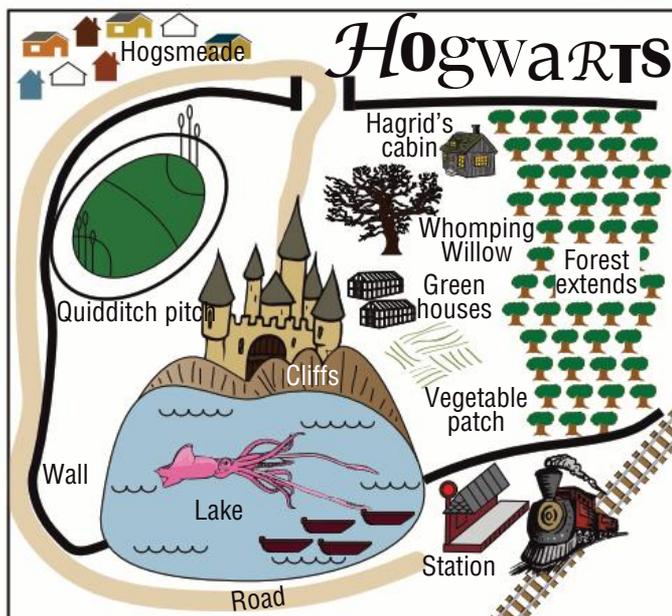
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count forwards by 100s.

400				

2. [Addition / Subtraction]

$$0\ 1\ 2\ 3\ 4\ 5\ 6\ 7\ 8\ 9\ 10\ 11\ 12\ 13\ 14\ 15\ 16\ 17\ 18\ 19\ 20$$

$$6 + 8 = \boxed{}$$
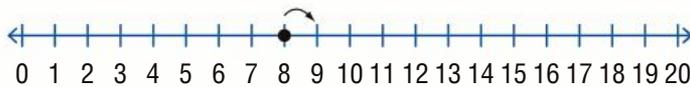
3. [Multiplication / Division]

$$5 + 5 + 5 + 5 + 5 + 5 = \boxed{}$$

$$6 \times 5 = \boxed{}$$

4. [+ Whole Numbers]

$$17 + 41 = \boxed{}$$

5. [− Whole Numbers]

	7	8	13	11	20
− 5					

6. [× Whole Numbers]

	6	10	7	3	9
× 4					

7. [÷ Whole Numbers]

	35	55	25	15	45
÷ 5					

8. [Word Problems]

A typical school term is 10 weeks. The spring holiday is five times less than this. How long is the spring holiday?
[Write the number sentence.]

$$\boxed{} = \quad \text{weeks}$$

9. [Fractions]

What part of the group is shaded?

$$\boxed{} \quad \text{out of} \quad \boxed{}$$

10. [Place Value]

Write the value of each digit.

$$485 = \boxed{} + 80 + \boxed{}$$

11. [Word Numbers]

Write the number 300 in words.

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

Circle the exact money needed to buy the eraser.

$1.70
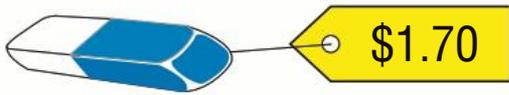
13. [Number Patterns]

21 , 18 , 15 , 12 , 9 , [__ , __]

14. [Time]

Use 'to' or 'past' to complete the time.

A quarter [ ] one.

15. [Measuring]

Which unit measures the length of a piece of string?

A) millilitre (mL)
B) metre (m)
C) kilogram (kg)

16. [Shapes]

Colour the triangle.
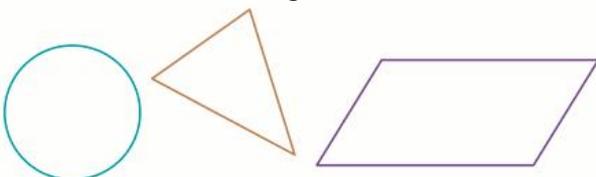
17. [Location]

Who has the locker in the third column from the right and on the bottom row?

| Hans | James | Fred | Seb |
| Harriet | Lulu | Mick | Lee |

18. [Statistics / Probability]

Complete the tally table.

Months of the Year

Months with...	Tally	Number
28/29 days	I	
30 days		4
31 days		7

19. [Problem Solving 1]

How many cubes in this shape?

[ ]
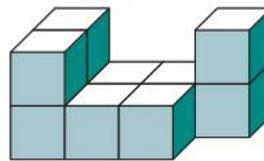
20. [Problem Solving 2] *

In how many ways can you make fifty cents using just 10 cent coins and 20 cent coins?

[ ]

21. [Problem Solving 3] *

If a marble weighs 25 grams (g), how much does a frog weigh?

[g]

MATHS MATE
Term 2 - Sheet 6

ORANGE
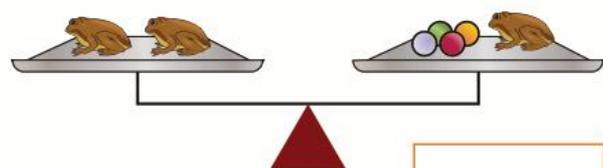
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count forwards by 10s.

| 36 | | | | | |

2. [Addition / Subtraction]

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$5 + 12 =$ ☐

3. [Multiplication / Division]

$9 + 9 + 9 + 9 + 9 + 9 =$ ☐

$6 \times 9 =$ ☐

4. [+ Whole Numbers]

$36 + 23 =$ ☐

5. [− Whole Numbers]

14	21	15	18	12
− 9				

6. [× Whole Numbers]

10	4	9	0	7
× 7				

7. [÷ Whole Numbers]

27	12	15	24	6
÷ 3				

8. [Word Problems]

To start the game Uno, seven cards are dealt out to each player. If 35 cards were dealt out altogether, how many players were there?
[Write the number sentence.]

☐ =

9. [Fractions]

Write a fraction for the shaded part.

☐
—
☐

10. [Place Value]

Write the value of each digit.

$680 = 600 +$ ☐ $+$ ☐

11. [Word Numbers]

Write the number 803 in words.

☐

12. [Money]

Circle the exact money needed to buy the pencil.

$0.90
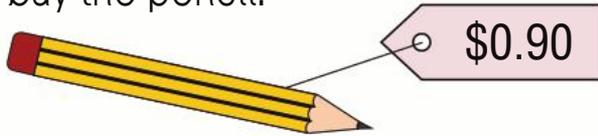
13. [Number Patterns]

75 , 65 , 55 , 45 , 35 , ___ , ___

14. [Time]

Use 'to' or 'past' to complete the time.

Twenty-five [ ] eleven.

15. [Measuring]

Which unit measures the volume of water in a bucket?

A) litre (L)
B) centimetre (cm)
C) gram (g)

16. [Shapes]

Name the shape.
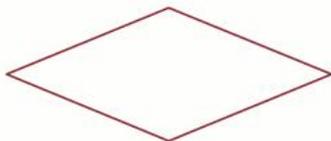
17. [Location]

Which animal is in the third column from the left and on the top row?

18. [Statistics / Probability]

Complete the tally table.

People per square kilometre

Country	Tally	Number
Australia	III	
New Zealand		18
Russia		9
Canada		4

19. [Problem Solving 1]

How many cubes in this shape?
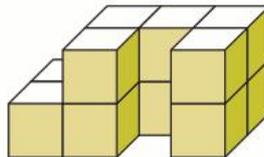
20. [Problem Solving 2] *

In how many ways can you make one dollar using just 10 cent coins and 20 cent coins?

21. [Problem Solving 3] *

If a marble weighs 20 grams (g), how much does a cookie weigh?

g

MATHS MATE
Term 2 - Sheet 7

ORANGE
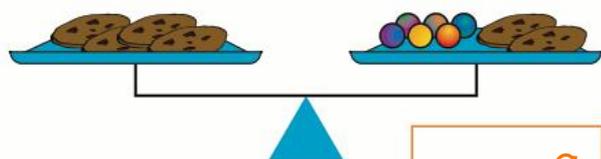
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count backwards by 10s.

71					

2. [Addition / Subtraction]

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$17 - 8 = \boxed{}$

3. [Multiplication / Division]
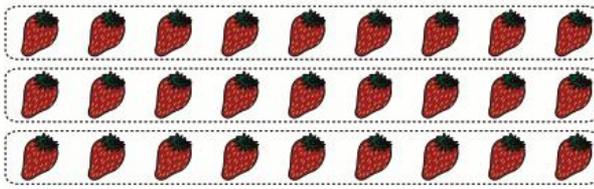
$27 - 9 - 9 - 9 = 0$

$27 \div 9 = \boxed{}$

4. [+ Whole Numbers]

$43 + 50 = \boxed{}$

5. [− Whole Numbers]

	19	14	22	18	13
− 4					

6. [× Whole Numbers]

	3	1	5	4	8
× 6					

7. [÷ Whole Numbers]

	49	21	28	42	35
÷ 7					

8. [Word Problems]

A total of 32 national soccer teams participate in the FIFA World Cup. The teams are equally divided into eight groups. How many teams are in each group? [Write the number sentence.]

$$\boxed{ = }$$

9. [Fractions]

Match the fractions to the shapes.

$\dfrac{2}{3}$ $\dfrac{1}{5}$ $\dfrac{2}{2}$
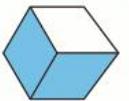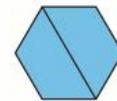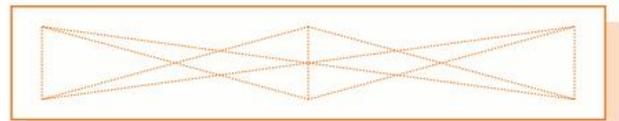
10. [Place Value]

Write the value of each digit.

$1852 = \boxed{1000 + + + 2}$

11. [Word Numbers]

Write in numerals:

two hundred and nine $\boxed{}$

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

Circle the exact money needed to buy the tea light.

$1.60
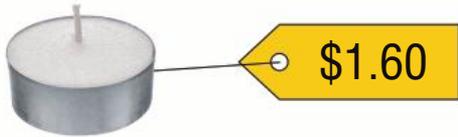
13. [Number Patterns]

32 , 27 , 22 , 17 , 12 , ☐ __ , __

14. [Time]

Use 'to' or 'past' to complete the time.

Ten ☐ four.

15. [Measuring]

Which unit is most commonly used to measure the length of a curtain rod?

A)   kilometre (km)
B)   millimetre (mm) ☐

16. [Shapes]

Name the two shapes used to make this figure.
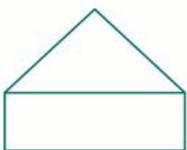
☐ and

17. [Location]

Which number is in the second column and on the third row from the bottom of this keypad?

QLD 1	ABC 2	DEF 3
GHI 4	JKL 5	MNO 6
PRS 7	TUV 8	WXY 9
*	0	#

☐

18. [Statistics / Probability]

Complete the tally table.

Days of fog - San Francisco

Month	Tally	Number
March		11
May		5
July		10
September	⊬⊬ IIII	

19. [Problem Solving 1]

How many cubes in this shape?

☐
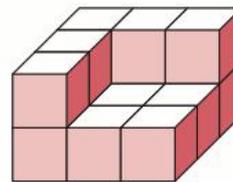
20. [Problem Solving 2] *

In how many ways can you make two dollars using just 50 cent coins and 10 cent coins?

☐

21. [Problem Solving 3] *
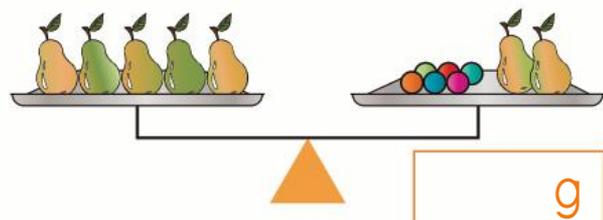
If a marble weighs 100 grams (g), how much does a can weigh?

☐ g

MATHS MATE
Term 2 - Sheet 8

ORANGE
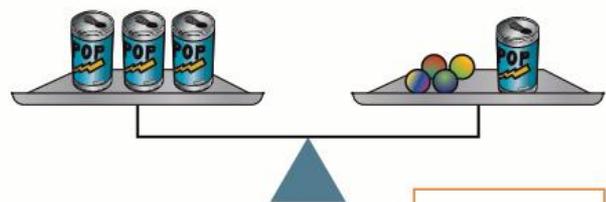
Name: ....

Due Date: ..../ ..../ ....

Parent's Signature: ....

1. [Counting]

Count forwards by 10s.

480				

2. [Addition / Subtraction]

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

$24 - 7 = \boxed{}$

3. [Multiplication / Division]

$40 - 8 - 8 - 8 - 8 - 8 = 0$

$40 \div 8 = \boxed{}$
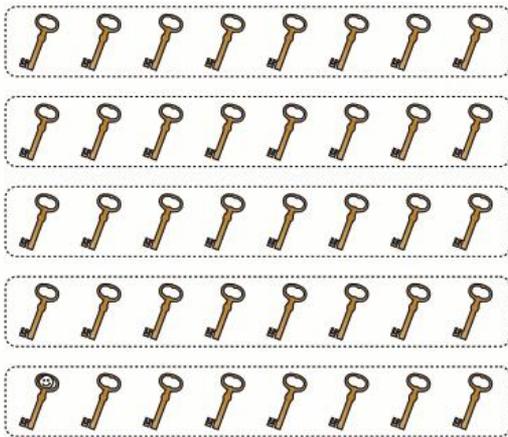
4. [+ Whole Numbers]

$51 + 19 = \boxed{}$

5. [− Whole Numbers]

14	9	20	25	16
− 8				

6. [× Whole Numbers]

9	0	6	4	7
× 8				

7. [÷ Whole Numbers]

24	40	28	12	32
÷ 4				

8. [Word Problems]

The bathroom wall is 240 cm long. It is completely covered by rows of square tiles. Each tile is 8 cm long. How many tiles fit in each row? [Write the number sentence.]

	=

9. [Fractions]

Match the fractions to the shapes.

$\dfrac{1}{4}$ $\qquad$ $\dfrac{2}{5}$ $\qquad$ $\dfrac{3}{3}$
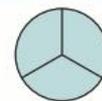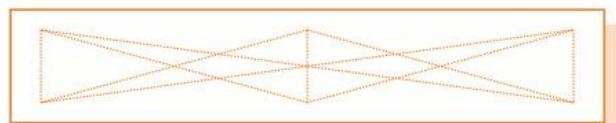
10. [Place Value]

Write the value of each digit.

$2346 = \boxed{2000 + + 40 +}$

11. [Word Numbers]

Write in numerals:

three hundred and fifty $\boxed{}$

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

Circle the exact money needed to buy the scissors.

$4.10
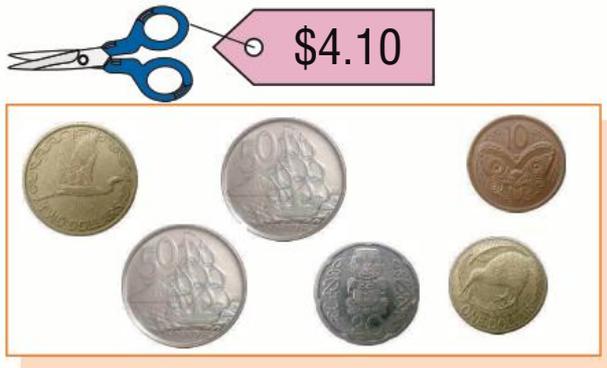
13. [Number Patterns]

34 , 30 , 26 , 22 , 18 , | __ , __ |

14. [Time]

Use 'to' or 'past' to complete the time.

Five | | two.

15. [Measuring]

Which unit is most commonly used to measure the length of a road?

A) kilometre (km)
B) centimetre (cm)

16. [Shapes]

Name the two shapes used to make this figure.
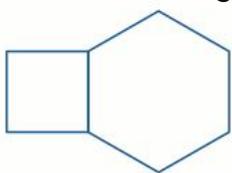
| and |

17. [Location]

Draw a face in the jigsaw piece in the 2nd column from the left, on the bottom row.
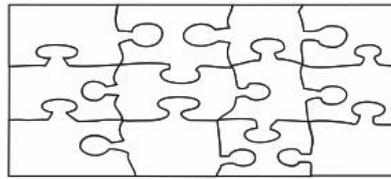
18. [Statistics / Probability]

Complete the tally table for states represented by Australian Prime Ministers (PMs):

NSW - 14, VIC - 10, QLD - 4, TAS - 1 WA - 1

Number of PMs representing the state*

State	Tally
NSW	ЖҢ ЖҢ IIII
VIC	
QLD	
TAS	
WA	

*as of 2019

19. [Problem Solving 1]

How many cubes in this shape?
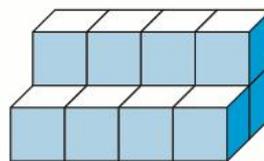
20. [Problem Solving 2] *

In how many ways can you make four dollars using just 50 cent coins and 10 cent coins?

21. [Problem Solving 3] *

If a marble weighs 40 grams (g), how much does a pear weigh?

g

MATHS MATE

ORANGE

Worksheet Results

Name: ....

Class: ....

Teacher: ....

Term 3		Sheet 1	Sheet 2	Sheet 3	Sheet 4	Skill Builder links	Sheet 5	Sheet 6	Sheet 7	Sheet 8	Skill Builder links
NUMBER & ALGEBRA	1. [Counting]	1	1	1	1	1.6	1	1	1	1	1.7
	2. [Addition / Subtraction]	2	2	2	2	2.14	2	2	2	2	2.7,12
	3. [Multiplication / Division]	3	3	3	3	3.5,6	3	3	3	3	3.7,14
	4. [+ Whole Numbers]	4	4	4	4	4.8	4	4	4	4	4.9
	5. [− Whole Numbers]	5	5	5	5	5.8	5	5	5	5	5.8
	6. [× Whole Numbers]	6	6	6	6	6.7	6	6	6	6	6.8
	7. [÷ Whole Numbers]	7	7	7	7	7.3	7	7	7	7	7.3
	8. [Word Problems]	8	8	8	8	8.1,2,3,4	8	8	8	8	8.1,2,3,4
	9. [Fractions]	9	9	9	9	9.2	9	9	9	9	9.8
	10. [Place Value]	10	10	10	10	10.6,7	10	10	10	10	10.8
	11. [Word Numbers]	11	11	11	11	11.1	11	11	11	11	11.3
	12. [Money]	12	12	12	12	12.5	12	12	12	12	12.6
	13. [Number Patterns]	13	13	13	13	13.1	13	13	13	13	13.2
MEASUREMENT & SPACE	14. [Time]	14	14	14	14	14.5	14	14	14	14	14.6
	15. [Measuring]	15	15	15	15	15.6,7	15	15	15	15	15.8
	16. [Shapes]	16	16	16	16	16.5	16	16	16	16	16.6
	17. [Location]	17	17	17	17	17.6	17	17	17	17	17.7,8
S & P	18. [Statistics / Probability]	18	18	18	18	18.1	18	18	18	18	18.2
PROBLEM SOLVING	19. [Problem Solving 1]	19	19	19	19	Hints & Solutions	19	19	19	19	Hints & Solutions
	20. [Problem Solving 2]	20	20	20	20	Hints & Solutions	20	20	20	20	Hints & Solutions
	21. [Problem Solving 3]	21	21	21	21	Hints & Solutions	21	21	21	21	Hints & Solutions
	Total Correct										

MATHS MATE

Term 3 - Sheet 1

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Complete the skip counting pattern.

2 4 6 ☐ 10 ☐ ☐

2. [Addition / Subtraction]

How much must be added to 9 to make 17?

$+1$ $+7$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$17 - 9 = $ ☐
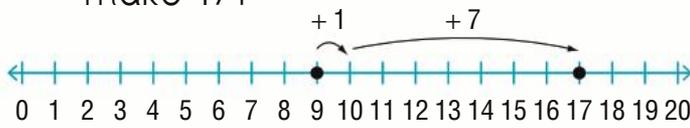
3. [Multiplication / Division]

Double this number of parallelograms by first drawing them.

$2 \times 3 = $ ☐

4. [+ Whole Numbers]

$$\begin{array}{r} 3\ 5 \\ +\ 4\ 4 \\ \hline \end{array}$$

5. [− Whole Numbers]

$$\begin{array}{r} 4\ 7 \\ -\ \ \ 4 \\ \hline \end{array}$$

6. [× Whole Numbers]

4	9	7	5	6
×9				

7. [÷ Whole Numbers]

8	14	12	10	6
÷2				

8. [Word Problems]

James scored 19 points in the Olympic basketball final and Bryant scored 17. How many points did they score between them? [Write the number sentence.]

☐ =

9. [Fractions]

Colour $\frac{1}{6}$ of the flower.
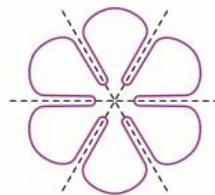
10. [Place Value]

What is the value of the underlined digit in 8214?

A) 20   B) 200   C) 2000

☐

11. [Word Numbers]

Write in numerals:

four hundred and nineteen

☐

12. [Money]

You have $2.50. Which two items can you afford to buy?

A) CHIPS B) COLA C) CHOCOLATE
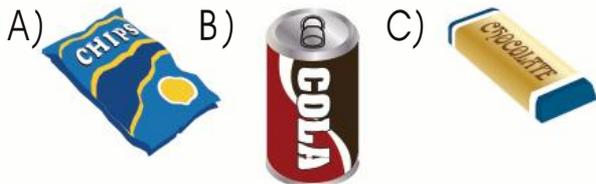
$1.30 $1.80   80¢

&

13. [Number Patterns]

24 , 34 , 44 , 54 , __ , __

14. [Time]

Draw hands on the clock to show nine o'clock.
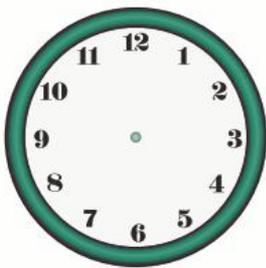
15. [Measuring]

Use a ruler to measure the length of the band-aid in centimetres.
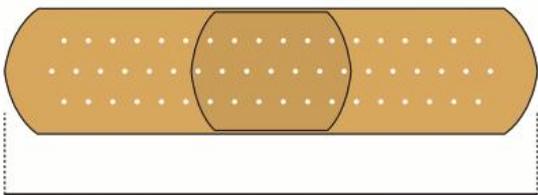
cm

16. [Shapes]

Draw a square with side lengths of 2 cm on the grid.

1 cm
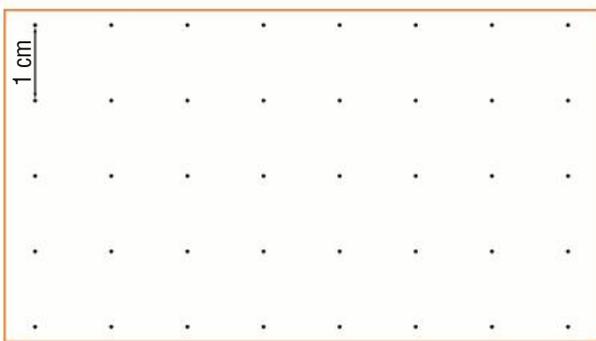
17. [Location]

Draw a path through the maze so that the genie can find her lamp.
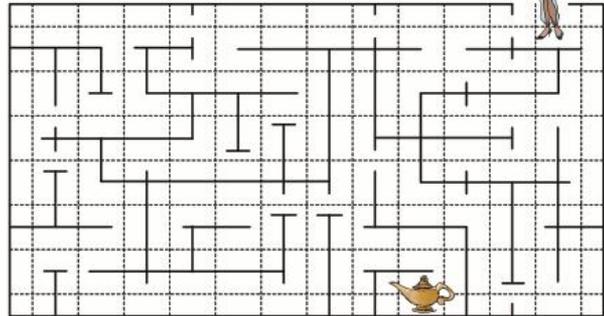
18. [Statistics / Probability]

What is the chance ...

"Christmas day will be in February next year."

A) possible
B) impossible

19. [Problem Solving 1]

This is a square made out of matches. How many matches in 6 squares?
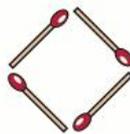
20. [Problem Solving 2] *

Ramona bought 20 bags of beads. Each bag holds 5 beads. How many beads did she buy?

21. [Problem Solving 3]

Redraw this square after it is rotated half a turn.

MATHS MATE

Term 3 - Sheet 2

ORANGE
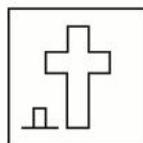
Name: ....

Due Date: ..../ ..../ ....

Parent's Signature: ....

1. [Counting]

Complete the skip counting pattern.

3 6 ☐ ☐ 15 ☐ ☐

2. [Addition / Subtraction]

How much must be added to 6 to make 13?

$+ 4$

```
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
```

$13 - 6 =$ ☐
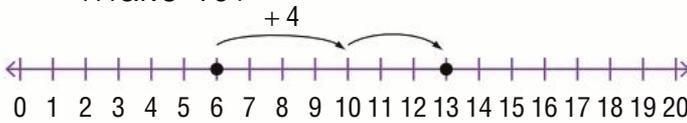
3. [Multiplication / Division]

Double this number of rectangles by first drawing them.

☐ × ☐ = ☐

4. [+ Whole Numbers]

```
   5 3
   1 2
 + 3 1
 ─────
```
☐

5. [− Whole Numbers]

```
   2 9
 − 2 5
 ─────
```
☐

6. [× Whole Numbers]

3	8	2	5	4
× 5				

7. [÷ Whole Numbers]

9	36	45	18	72
÷ 9				

8. [Word Problems]

A dozen is 12 and a score is 20. How much bigger is a score than a dozen?

[Write the number sentence.]

☐ = ☐

9. [Fractions]

Colour $\frac{2}{4}$ of the flower.
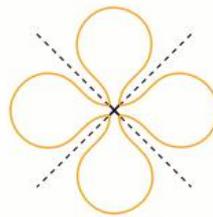
10. [Place Value]

What is the value of the 9 in 1890?

A) 90   B) 900   C) 9000

☐

11. [Word Numbers]

Write in numerals:

seven hundred and forty-six

☐

1 **2** **3** **4** **5** **6** **7** **8** **9** **10** **11**

12. [Money]

You have $4. Which two items can you afford to buy?

A)   B)   C)

| $3.50 | $1 | $2.50 |

_____ & _____

13. [Number Patterns]

4 , 10 , 16 , 22 , 28 , [___ , ___]

14. [Time]

Draw hands on the clock to show half past ten.

15. [Measuring]

Use the scale. How tall is the kangaroo?

2 m

scale view

1 m

0 m
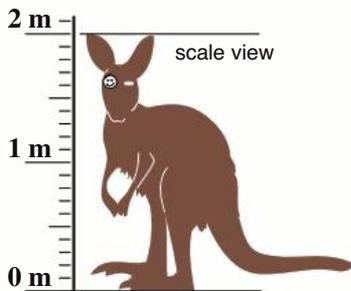
_____ m

16. [Shapes]

Draw a rectangle with a length of 5 cm and a width of 2 cm on the grid.

1 cm
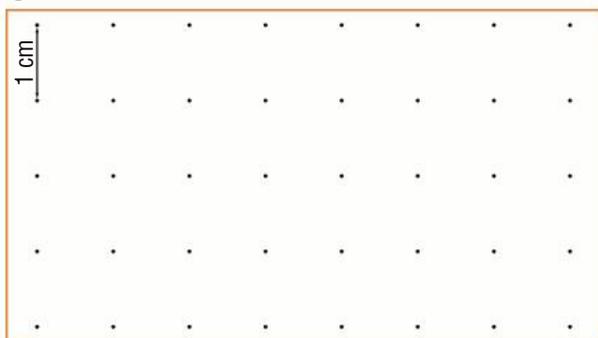
17. [Location]

Draw the path of the counter by moving it:

1 right, 2 up, 4 right
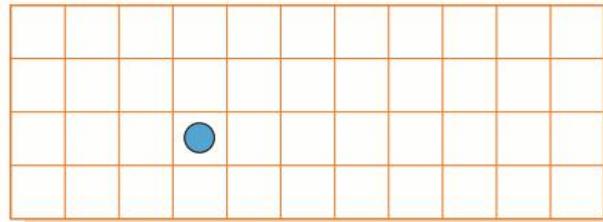
18. [Statistics / Probability]

What is the chance ...

"A family will go to the supermarket after school."

A) possible
B) impossible

19. [Problem Solving 1]

This is a triangle made out of matches. How many matches in 7 triangles?

20. [Problem Solving 2] *

Gina printed 20 photos. She can fit 4 photos on a page in her album. How many pages will Gina fill with her photos?

21. [Problem Solving 3]

Redraw this square after it is rotated half a turn.

MATHS MATE
Term 3 - Sheet 3

ORANGE
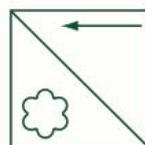
Name: ....

Due Date: ..../ .... / ....

Parent's Signature: ....

1. [Counting]

Complete the skip counting pattern.

5 10 ☐ ☐ 25 ☐ ☐

2. [Addition / Subtraction]

How much must be added to 15 to make 24?

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
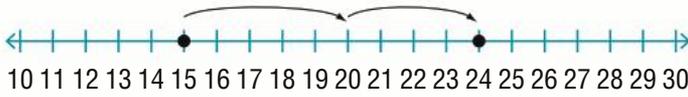
$$24 - 15 = \boxed{}$$

3. [Multiplication / Division]

Complete the multiplication.
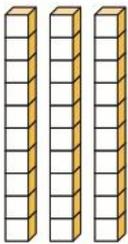
3 lots of ten = ☐

4. [+ Whole Numbers]

$$\begin{array}{r} 6\;2\;0 \\ +\;1\;0\;8 \\ \hline \end{array}$$

5. [− Whole Numbers]

$$\begin{array}{r} 3\;9 \\ -\;1\;1 \\ \hline \end{array}$$

6. [× Whole Numbers]

7	6	9	3	2
× 8				

7. [÷ Whole Numbers]

15	9	6	24	12
÷ 3				

8. [Word Problems]

A decathlon has 10 events. Jim competed in 4 decathlons in 2020. In how many events did Jim compete in 2020?
[Write the number sentence.]

☐ =

9. [Fractions]

Colour $\frac{1}{3}$ of the traffic light.
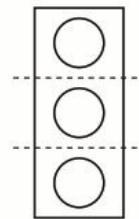
10. [Place Value]

Circle the thousands digit in the number:

7 0 2 5

11. [Word Numbers]

Write in numerals:

two hundred and thirty-five ☐

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

You have $10.50. Which two items can you afford to buy?

A) $4.95

B) $5.50

C) $5.95

&
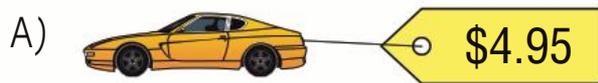
13. [Number Patterns]

27 , 32 , 37 , 42 , 47 , [__ , __]

14. [Time]

Draw hands on the clock to show ten past six.

15. [Measuring]

What is the volume of the petrol?

10 Litres
9
8
7
6
5
4
3
2
1
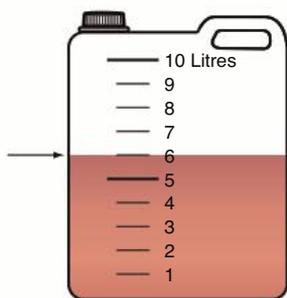
L

16. [Shapes]

Sketch a rhombus.

17. [Location]

Draw the path of the counter by moving it:
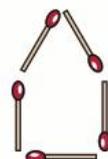
2 up, 2 right, 3 down, 5 left
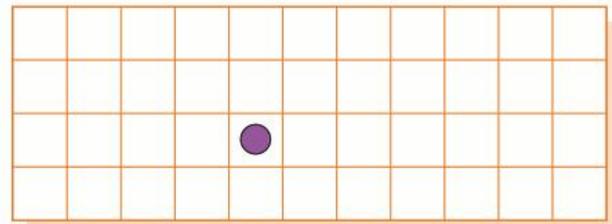
18. [Statistics / Probability]

What is the chance ...

"A wild zebra will be at your house after school."

A) likely
B) unlikely

19. [Problem Solving 1]

This is a house made out of matches. How many matches in 5 houses?

20. [Problem Solving 2] *

Tulips are sold in bunches of 5. Rita buys 30 tulips. How many bunches does she buy?

21. [Problem Solving 3]

Redraw this square after it is rotated half a turn.

WM
MW

MATHS MATE

Term 3 - Sheet 4

ORANGE

Name: ....

Due Date: ..../ ..../ ....

Parent's Signature: ....

1. [Counting]

Complete the skip counting pattern.

100 ☐ 300 ☐ 500 ☐

2. [Addition / Subtraction]

How much must be added to 17 to make 33?

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
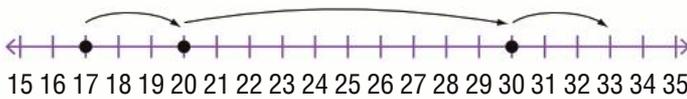
$33 - 17 = $ ☐

3. [Multiplication / Division]

Complete the multiplication.
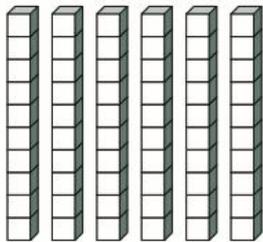
$6 \times 10 = $ ☐

4. [+ Whole Numbers]

$$\begin{array}{r} 1\ 2\ 1 \\ +\ 3\ 5\ 6 \\ \hline \end{array}$$

☐

5. [− Whole Numbers]

$$\begin{array}{r} 4\ 6 \\ -\ 1\ 4 \\ \hline \end{array}$$

☐

6. [× Whole Numbers]

8	5	4	6	9
× 3				

7. [÷ Whole Numbers]

16	48	8	24	56
÷ 8				

8. [Word Problems]

Hair grows 16 centimetres in a year. How long would hair grow in 3 months?
[Write the number sentence.]

☐ = ☐ cm

9. [Fractions]

Colour $\frac{2}{5}$ of the pentagonal frame.
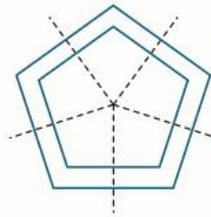
10. [Place Value]

Circle the hundreds digit in the number:

3 6 7 2

11. [Word Numbers]

Write in numerals:

eight hundred and sixty-two

☐

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

You have $150. Which two items can you afford to buy?

A)

$89.90

B)

$77.00

C)

$69.99

&

13. [Number Patterns]

26 , 30 , 34 , 38 , 42 , ___ , ___

14. [Time]

Draw hands on the clock to show twenty to four.

15. [Measuring]

What is the weight of 5 chicks?
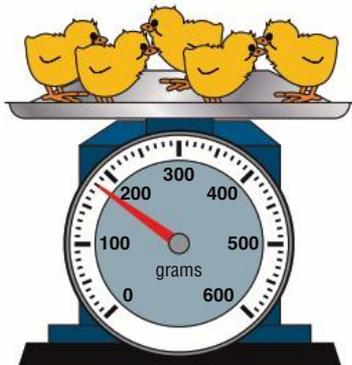
g

16. [Shapes]

Sketch a triangle.

17. [Location]

Draw a path through the maze so that the firefighter gets to the fire.
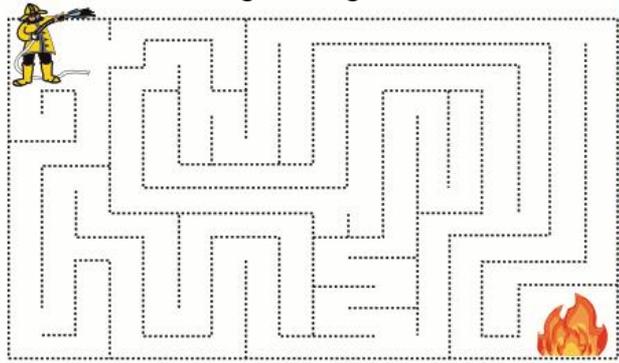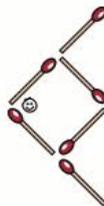
18. [Statistics / Probability]

What is the chance ...

"It will rain tomorrow morning."

A)   certain
B)   uncertain

19. [Problem Solving 1]

This is a fish made out of matches. How many matches in 5 fish?

20. [Problem Solving 2] *

Hussein bought some apples. He gave 6 to his friends and had 8 left. How many apples did Hussein buy?

21. [Problem Solving 3]

Redraw this square after it is rotated a quarter of a turn clockwise.

MATHS MATE
Term 3 - Sheet 5

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

---
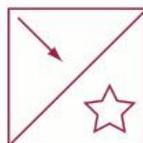
1. [Counting]

Count on by 3s from 12.

12				

2. [Addition / Subtraction]

Complete the addition.
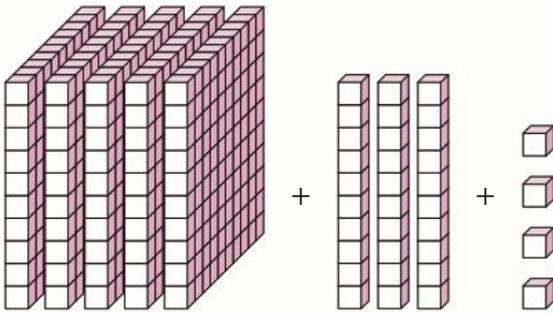
$500 + 30 + 4 =$ ☐

3. [Multiplication / Division]
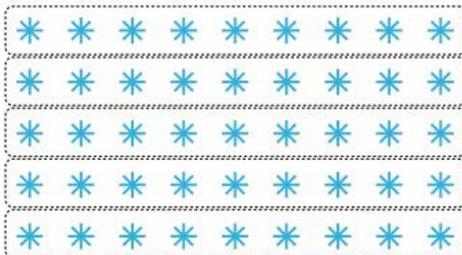
45 divided into groups of 9 =

$45 \div 9 =$ ☐

4. [+ Whole Numbers]

$$\begin{array}{r} 1\ 7\ 6 \\ +\ 2\ 5\ 2 \\ \hline \end{array}$$

5. [− Whole Numbers]

$$\begin{array}{r} 3\ 4\ 7 \\ -\ 2\ 1\ 5 \\ \hline \end{array}$$

6. [× Whole Numbers]

$6 \times 10 =$ ☐

7. [÷ Whole Numbers]

25	20	30	5	35
÷ 5				

8. [Word Problems]

Squares, rectangles and parallelograms all have 4 sides. How many sides would there be if you had one of each shape? [Write the number sentence.]

☐ =

9. [Fractions]

Show with an arrow the fraction $\frac{1}{3}$ on the number line.

0 ————|————|———— 1

10. [Place Value]

23 is less than (<) 62

True or false? ☐

11. [Word Numbers]

Write the number 213 in words.

12. [Money]

How many 10¢ coins make 50¢?

13. [Number Patterns]

25 , 21 , 17 , 13 , 9 , ___ , ___

14. [Time]

Which time is five to three?

A) 2:45
B) 2:55
C) 3:55

15. [Measuring]

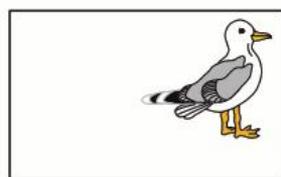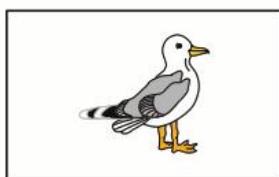What is the distance around this square (perimeter)?

1 cm

1 cm

cm
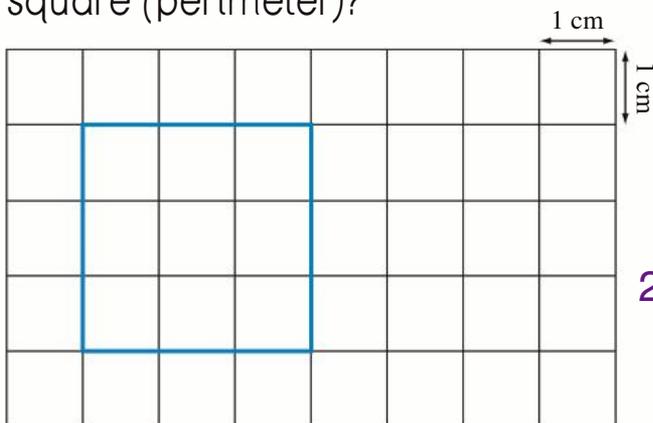
16. [Shapes]

How many vertices does a square have?

17. [Location]
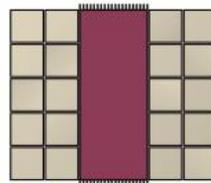
Has this bird been moved by a flip, a slide or a turn?

18. [Statistics / Probability]

How many strings does a banjo have?

Instruments: number of strings

banjo	♪ ♪
guitar	♪ ♪ ♪
Key: ♪ = 2 strings	

19. [Problem Solving 1] *

A carpet is covering some of the 30 square tiles on the floor. How many tiles are covered by the carpet?

20. [Problem Solving 2] *

Elizabeth has only one-dollar coins. How many one-dollar coins does Elizabeth need to buy everything on her list?

pencil	$0.50	ruler	$1.00
sharpener	$2.00	pen	$3.50
eraser	$1.50	workbook	$2.00

21. [Problem Solving 3] *

If you continue the pattern, how many dots would be in the next figure?

fig. 1   fig. 2   fig. 3   fig. 4

MATHS MATE
Term 3 - Sheet 6

ORANGE
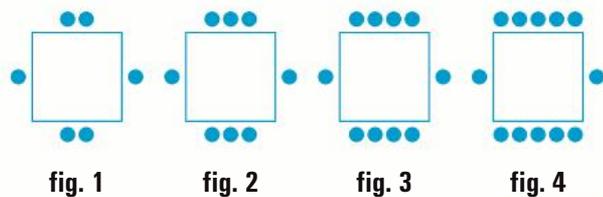
Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count on by 4s from 8.

8					

2. [Addition / Subtraction]

Complete the addition.

$\square$ + $\square$ + $\square$ = $\square$
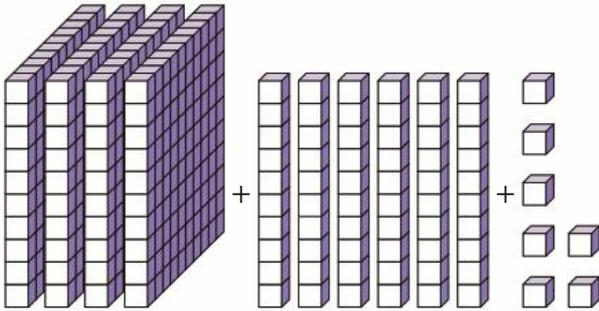
3. [Multiplication / Division]
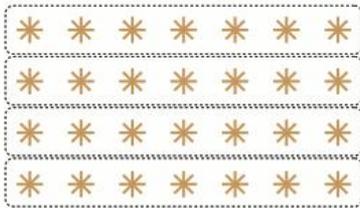
28 divided into groups of 7 =

$$28 \div 7 = \square$$

4. [+ Whole Numbers]

$$\begin{array}{r} 1\ 1\ 9 \\ +\ 1\ 7\ 3 \\ \hline \end{array}$$

5. [− Whole Numbers]

$$\begin{array}{r} 4\ 6\ 6 \\ -\ 3\ 4\ 3 \\ \hline \end{array}$$

6. [× Whole Numbers]

$$7 \times 50 = \square$$

7. [÷ Whole Numbers]

60	18	30	42	24
÷ 6				

8. [Word Problems]

Male horses have 40 teeth. Female horses have 36 teeth. How many more teeth do male horses have than female horses? [Write the number sentence.]

$$\qquad\qquad =$$

9. [Fractions]

Show with an arrow the fraction $\frac{2}{5}$ on the number line.

0 ————————————— 1

10. [Place Value]

42 is greater than (>) 83

True or false? $\square$

11. [Word Numbers]

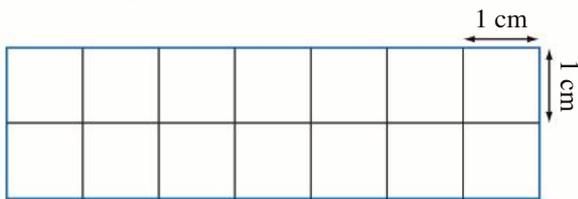Write the number 453 in words.

12. [Money]

How many 20¢ coins make 80¢?

13. [Number Patterns]
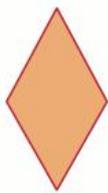
66 , 56 , 46 , 36 , 26 , ___ , ___

14. [Time]

Which time is twenty to seven?

A)   7:20
B)   6:45
C)   6:40

15. [Measuring]

What is the distance around the rectangle (perimeter)?

1 cm

1 cm

cm

16. [Shapes]

How many sides does a rhombus have?

17. [Location]
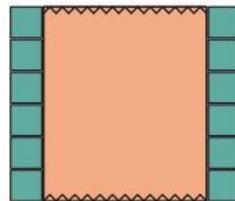
Has this apple been moved by a flip, a slide or a turn?

18. [Statistics / Probability]

How many quoits does a player throw in a turn?

GAMES: pieces thrown in a turn

⊙Hookey	⭕	🔴	🔴
Darts	➤	🔴	
Quoits	⬭	🔴	
Petanque	⚫	🔴	

Each 🔴 = 3 pieces

19. [Problem Solving 1] ✳

A towel is covering some of the 42 square tiles on the wall. How many tiles are covered by the towel?

20. [Problem Solving 2] ✳

Ben has only one-dollar coins. How many one-dollar coins does Ben need to buy everything on his list?

bread	$3.00	grapes	$2.10
milk	$2.00	cheese	$4.00
butter	$3.65	flour	$1.00

21. [Problem Solving 3] ✳

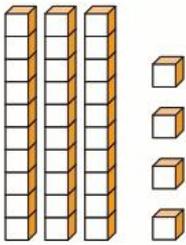If you continue the pattern, how many dots would be in the next figure?

fig. 1   fig. 2   fig. 3   fig. 4

MATHS MATE

Term 3 - Sheet 7
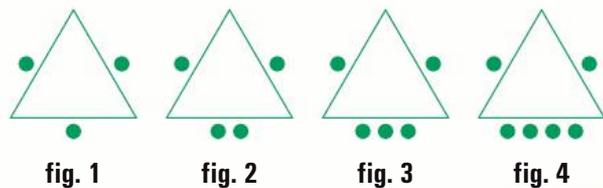
1. [Counting]

Count on by 5s from 215.

215				

2. [Addition / Subtraction]

Take away 12.

$$\boxed{} - \boxed{} = \boxed{}$$

3. [Multiplication / Division]

Complete the multiplication.

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

$$4 \times 9 = \boxed{}$$

4. [+ Whole Numbers]

$$\begin{array}{r} 3\ 3\ 3 \\ +\ 2\ 0\ 7 \\ \hline \boxed{} \end{array}$$

5. [− Whole Numbers]

$$\begin{array}{r} 5\ 2\ 9 \\ -\ 1\ 2\ 2 \\ \hline \boxed{} \end{array}$$

6. [× Whole Numbers]

$$80 \times 3 = \boxed{}$$

7. [÷ Whole Numbers]

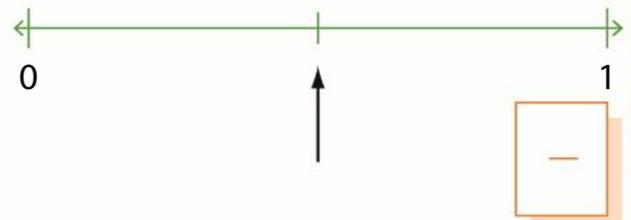| 4	12	24	32	36

÷ 4				

8. [Word Problems]

Each person in a quad sculling boat holds a pair of oars. There are 8 oars in the boat. How many people are there in the boat?
[Write the number sentence.]

$$\boxed{ = }$$

9. [Fractions]

What fraction is shown by the arrow on the number line?

0 ——————↑——————— 1

$$\boxed{\frac{}{}}$$

10. [Place Value]

Use greater than (>) or less than (<) to make this true.

236 $\boxed{}$ 263

11. [Word Numbers]

Write the number 619 in words.

$$\boxed{}$$

12. [Money]

How many 10¢ coins make $1.60?
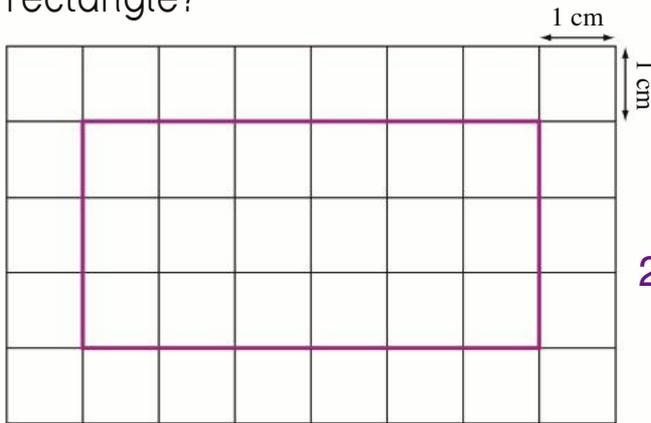
13. [Number Patterns]

42 , 36 , 30 , 24 , 18 , ___ , ___

14. [Time]

Which time is shown on the clock?

A) 2:10
B) 4:10
C) 2:20

15. [Measuring]

What is the perimeter of this rectangle?

1 cm

1 cm

cm

16. [Shapes]

How many vertices does a triangle have?

17. [Location]

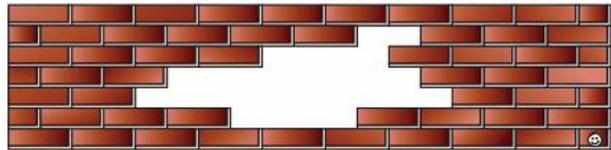Has this treble clef been moved by a flip, a slide or a turn?

18. [Statistics / Probability]

How many hours does it take to drive from Wellington to Mangakino?

Drive Time from Wellington to ...			
New Plymouth	🕐	🕐	🕐
Dannevirke	🕐	🕐	
Mangakino	🕐	🕐	🕐
Each 🕐 = 2 hours		Each 🕐 = 1 hour	

19. [Problem Solving 1] *

How many bricks have fallen from the middle of this wall?

20. [Problem Solving 2] *

Two families of 4 people hire a cabin for 2 nights. If the total cost is $400, what is the cost for each person for each night?

$

21. [Problem Solving 3] *

If you continue the pattern, how many dots would be in the next figure?

fig. 1   fig. 2   fig. 3   fig. 4

MATHS MATE
Term 3 - Sheet 8

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Count on by 6s from 48.

48					

2. [Addition / Subtraction]

Complete the subtraction.

☐ − ☐ = ☐

3. [Multiplication / Division]

Complete the multiplication.

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

$7 \times 8 =$ ☐

4. [+ Whole Numbers]

$$\begin{array}{r} 2\ 2\ 1 \\ +\ 5\ 8\ 4 \\ \hline \end{array}$$

5. [− Whole Numbers]

$$\begin{array}{r} 2\ 7\ 8 \\ -\ 2\ 5\ 3 \\ \hline \end{array}$$

6. [× Whole Numbers]

$9 \times 60 =$ ☐

7. [÷ Whole Numbers]

28	56	14	70	63
÷ 7				

8. [Word Problems]

Mae drove 363 kilometres from Christchurch to Dunedin. Then she drove another 210 kilometres to Invercargill. How far did Mae drive altogether?
[Write the number sentence.]

☐ = km

9. [Fractions]

What fraction is shown by the arrow on the number line?

0   1

☐/☐
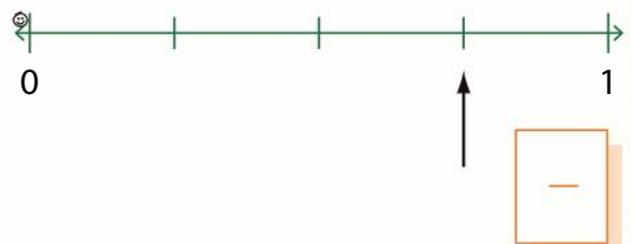
10. [Place Value]

Use greater than (>) or less than (<) to make this true.

564 ☐ 546

11. [Word Numbers]

Write the number 745 in words.

12. [Money]

How many 50¢ coins make $3.50?

13. [Number Patterns]

55 , 46 , 37 , 28 , 19 , [__ , __]

14. [Time]

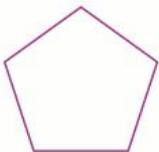Which time is shown on the clock?

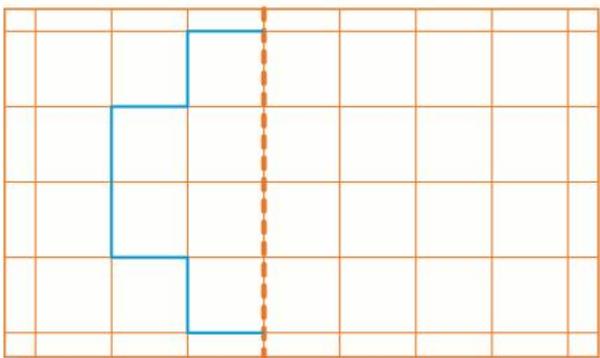A)   10:25
B)   5:50
C)   6:10

15. [Measuring]

What is the perimeter of the rectangle?

1 cm

1 cm

cm
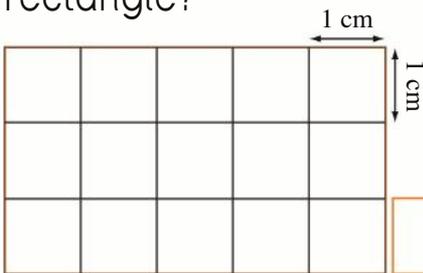
16. [Shapes]

How many sides does a pentagon have?

17. [Location]

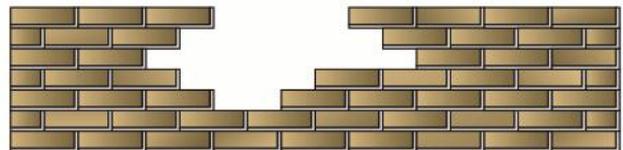Draw the reflection of this shape flipped across the dotted line.

18. [Statistics / Probability]

How many movies in the Lassie series?

Movies in a Series

Harry Potter	🎥 🎥 🎥 🎥
Lassie	🎥 🎥 🎥 🎥 🎥 🎬
Star Wars	🎥 🎥 🎥 🎥 🎬

| Each 🎥 = 2 movies | Each 🎬 = 1 movie |

19. [Problem Solving 1] *

How many bricks have fallen from the middle of this wall?

20. [Problem Solving 2] *

Flavia breaks the strings on her tennis racquet 6 times a year. If it costs $30 for a re-string, how much does she spend fixing her racquet each year?

$

21. [Problem Solving 3] *

If you continue the pattern, how many dots would be in the next figure?

fig. 1   **fig. 2**   **fig. 3**
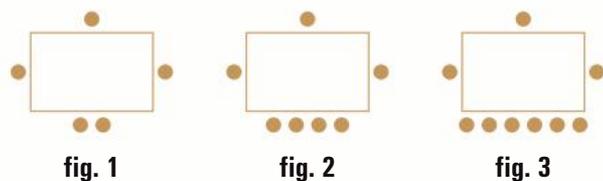
MATHS MATE

ORANGE

Name: ....

Class: ....

Teacher: ....

Worksheet Results

Term 4

	Sheet 1	Sheet 2	Sheet 3	Sheet 4	Skill Builder links	Sheet 5	Sheet 6	Sheet 7	Sheet 8	Skill Builder links
NUMBER & ALGEBRA 1. [Counting]	1	1	1	1	1.8	1	1	1	1	1.9
2. [Addition / Subtraction]	2	2	2	2	2.8,15	2	2	2	2	2.9,16
3. [Multiplication / Division]	3	3	3	3	3.3,15	3	3	3	3	3.17
4. [+ Whole Numbers]	4	4	4	4	4.9	4	4	4	4	4.2,3,4,5,6
5. [− Whole Numbers]	5	5	5	5	5.2,3,4,5,6	5	5	5	5	5.9
6. [× Whole Numbers]	6	6	6	6	6.8	6	6	6	6	6.8
7. [÷ Whole Numbers]	7	7	7	7	7.4	7	7	7	7	7.5
8. [Word Problems]	8	8	8	8	8.1,2,3,4	8	8	8	8	8.1,2,3,4
9. [Fractions]	9	9	9	9	9.9	9	9	9	9	9.10
10. [Place Value]	10	10	10	10	10.9	10	10	10	10	10.10
11. [Word Numbers]	11	11	11	11	11.1	11	11	11	11	11.4
12. [Money]	12	12	12	12	12.7	12	12	12	12	12.8
13. [Number Patterns]	13	13	13	13	13.3	13	13	13	13	13.4
MEASUREMENT & SPACE 14. [Time]	14	14	14	14	14.6	14	14	14	14	14.7
15. [Measuring]	15	15	15	15	15.9	15	15	15	15	15.9
16. [Shapes]	16	16	16	16	16.7	16	16	16	16	16.8,9
17. [Location]	17	17	17	17	17.9	17	17	17	17	17.9
S & P 18. [Statistics / Probability]	18	18	18	18	18.7,8	18	18	18	18	18.9
PROBLEM SOLVING 19. [Problem Solving 1]	19	19	19	19	Hints & Solutions	19	19	19	19	Hints & Solutions
20. [Problem Solving 2]	20	20	20	20	Hints & Solutions	20	20	20	20	Hints & Solutions
21. [Problem Solving 3]	21	21	21	21	Hints & Solutions	21	21	21	21	Hints & Solutions
Total Correct										

MATHS MATE

Term 4 - Sheet 1

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

---

1. [Counting]

Circle the even numbers.

1   16   105
13   17   22   51

2. [Addition / Subtraction]

Complete the subtraction.

Trade 1 long for 10 minis

$23 - 5 =$ ☐

3. [Multiplication / Division]

Complete the multiplication.

$7 \times$ ☐ $=$ ☐

4. [+ Whole Numbers]

```
  6 7 3
+ 1 4 8
-------
```
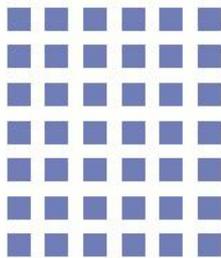
5. [− Whole Numbers]

13	22	15	19	24
− 6				

6. [× Whole Numbers]

```
    5
  × 3
  ---
```

7. [÷ Whole Numbers]

$5 \overline{)\, 3\ 5}$

8. [Word Problems]

A newt has a life span of 3 years. A toad has a life span of 5 times more than this. What is the life span of a toad?
[Write the number sentence.]

☐ $=$ years

9. [Fractions]

Complete the equivalent fractions.

$\frac{1}{3}$		$\frac{1}{3}$		$\frac{1}{3}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$\frac{2}{3} = \frac{☐}{6}$

10. [Place Value]

Write the largest 2-digit number that contains the digits 3 and 7.

☐

11. [Word Numbers]

Write in numerals:

seven thousand

☐

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

How much change would you get from $3?

$2.20

____ ¢
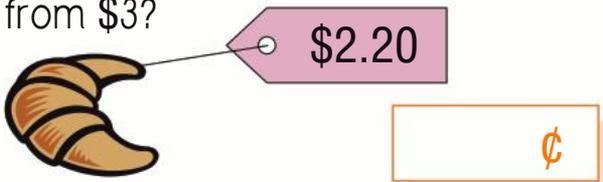
13. [Number Patterns]

2 , 4 , 5 , 7 , 8 , [__ , __]

14. [Time]

8:30 am means eight o'clock in the morning.

True or false?

15. [Measuring]

Find the area of the shaded rectangle.

Area = 1 cm²

____ cm²
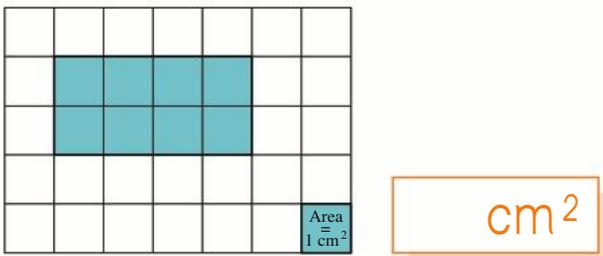
16. [Shapes]

Draw the line of symmetry.

D

17. [Location]

What is located at position C3?
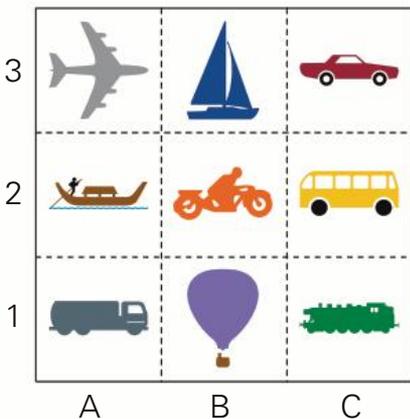
18. [Statistics / Probability]

Two jars contain chocolates. A chocolate is chosen from each jar without looking. From which jar does a dark chocolate have no chance of being chosen?
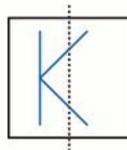
A)   B)
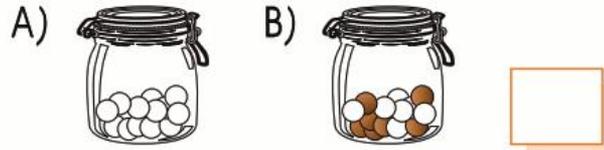
19. [Problem Solving 1] *

The sum of two numbers is 15 and their difference is 3. What are the two numbers?
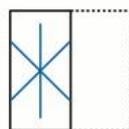
____ and ____

20. [Problem Solving 2]

A transparent square sheet has a design on it. The sheet is folded in half along the dots.
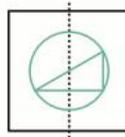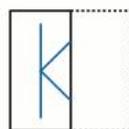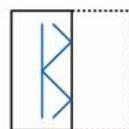
Which image will appear after folding?

A)   B)   C)
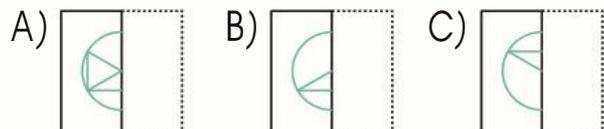
21. [Problem Solving 3]

Fill in the missing digits.

$$\begin{array}{r} 6\ \square \\ +\ \square\ 1 \\ \hline 9\ 6 \end{array}$$

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Circle the odd numbers.

1   13   100

18   16   27   4

2. [Addition / Subtraction]

Complete the subtraction.

Trade 1 long for 10 minis

$24 - 7 =$ ☐
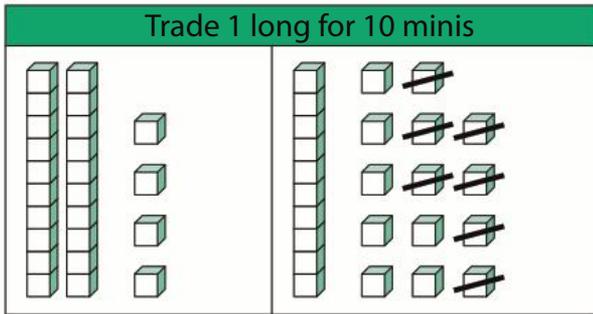
3. [Multiplication / Division]

Complete the multiplication.

☐ $\times 8 =$ ☐
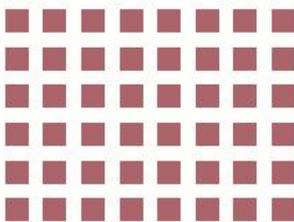
4. [+ Whole Numbers]

$$\begin{array}{r} 3\ 2\ 7 \\ +\ 5\ 8\ 6 \\ \hline \end{array}$$

5. [− Whole Numbers]

18	23	12	27	21
− 9				

6. [× Whole Numbers]

$$\begin{array}{r} 3 \\ \times\ 4 \\ \hline \end{array}$$

7. [÷ Whole Numbers]

$6 \overline{)3\ 0}$

8. [Word Problems]

A 400 m swim is 8 laps of the pool. A 100 m swim is 4 times less than this. How many laps of the pool is a 100 m swim?
[Write the number sentence.]

☐ $=$

9. [Fractions]

Complete the equivalent fractions.

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	

$\frac{6}{8} = \frac{☐}{4}$

10. [Place Value]

Write the smallest 3-digit number that contains the digits 5, 6 and 2.

☐

11. [Word Numbers]

Write in numerals:

two thousand, four hundred

☐

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

How much change would you get from $10?

$5.60

$ _____

13. [Number Patterns]

3 , 4 , 7 , 8 , 11 , _____ , _____

14. [Time]

Write the time 'a quarter past twelve in the afternoon' in digital form.

____ : ____

15. [Measuring]

Find the area of the shaded shape.

Area = 1 cm²

_____ cm²
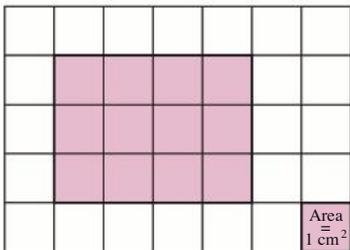
16. [Shapes]

Draw the line of symmetry.

17. [Location]

Which shape is located at position D3?

3 A B C D
2
1

A   B   C   D

_____
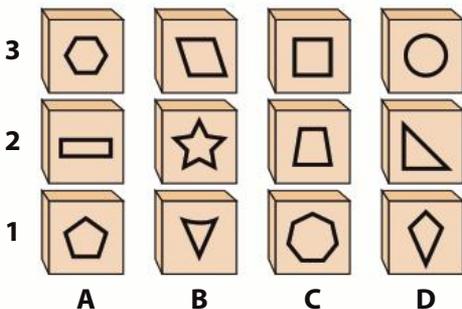
18. [Statistics / Probability]

Each wheel is spun once. On which wheel does the letter 'X' have a greater chance of being spun?

A) Z X / Z / Z / X / Z / Z X

B) X X / X / Z / X / Z / Z X

_____
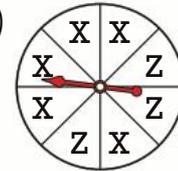
19. [Problem Solving 1] *

The sum of two numbers is 17 and their difference is 5. What are the two numbers?

_____ and _____

20. [Problem Solving 2]

A transparent square sheet has a design inside. The sheet is folded in half along the dots.

Which image will appear after folding?

A)   B)   C)

_____

21. [Problem Solving 3]

Fill in the missing digits.

```
  ☐ 9
−  5 6
─────
  1 ☐
```

MATHS MATE
Term 4 - Sheet 3

ORANGE

Name: ....

Due Date: ..../ ..../ ....

Parent's Signature: ....

1. [Counting]

Which of these numbers is odd?

2 , 36 , 27 , 94 , 38 , 70 ☐

2. [Addition / Subtraction]

Complete the number sentence.

$22 +$ ☐ $=$ ☐
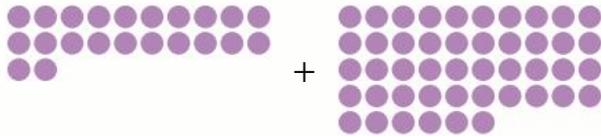
3. [Multiplication / Division]

Circle to complete the division.

$56 \div 7 =$ ☐
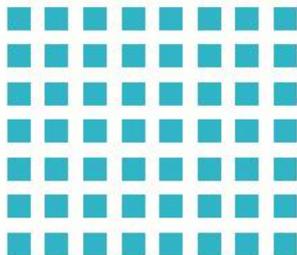
4. [+ Whole Numbers]

$$
\begin{array}{r}
4\ 7\ 3\ 6 \\
+\ 2\ 8\ 1\ 5 \\
\hline
\end{array}
$$

5. [– Whole Numbers]

26	21	19	13	9
– 8				

6. [× Whole Numbers]

$$
\begin{array}{r}
7 \\
\times\ 6 \\
\hline
\end{array}
$$

7. [÷ Whole Numbers]

$8\ )\ 5\ 6$

8. [Word Problems]

The average age of an Olympic athlete is 26 years. The average age of an astronaut is 34 years. What is the difference between these ages?

[Write the number sentence.]

☐ $=$ years

9. [Fractions]

Complete the equivalent fractions.

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	

$\frac{8}{10} = \frac{☐}{5}$

10. [Place Value]

Using the digits 3, 7 and 8 write a number between 700 and 750. ☐

11. [Word Numbers]

Write in numerals:

three thousand and forty-five ☐

12. [Money]

How much change would you get from $50?

$35.90

$ ⬚

13. [Number Patterns]

3 , 6 , 8 , 11 , 13 , ⬚ __ , __

14. [Time]

Write the time 'twenty-five minutes past one in the morning' in digital form.

⬚ :

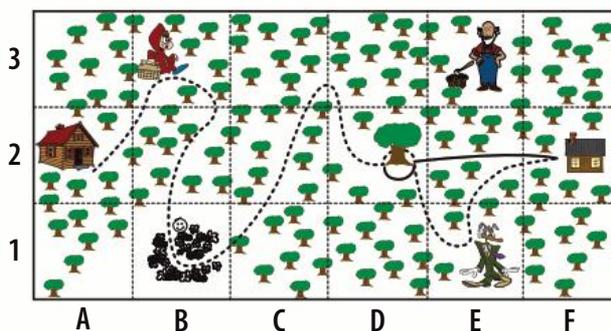**15.** [Measuring]

Find the area of the shaded shape.

Area
1 cm²

⬚ cm²
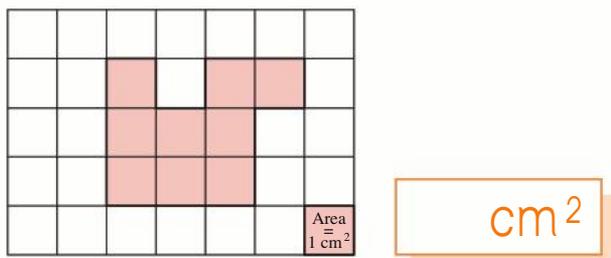
16. [Shapes]

Draw the lines of symmetry.

17. [Location]

Who is located at position E1?

A) Little Red Riding Hood
B) The wolf
C) The woodcutter

⬚

3

2

1

A   B   C   D   E   F

18. [Statistics / Probability]

List the two possible outcomes when you toss this coin.

⬚

19. [Problem Solving 1] *

Two numbers add to 21. The larger number is 2 times the smaller number. What are the two numbers?

⬚ and ⬚

20. [Problem Solving 2]

A transparent square sheet has a design inside. The sheet is folded in half along the dots.

S

Which image will appear after folding?

A)   B)   C)

⬚
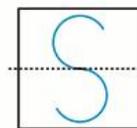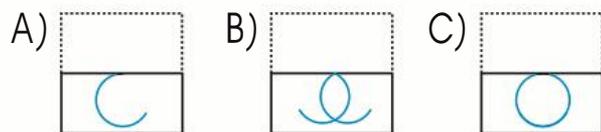
21. [Problem Solving 3]

Fill in the missing digits.

$$\begin{array}{r} 5\,\square \\ -\ 2\ \ 4 \\ \hline \square\ \ 4 \end{array}$$

MATHS MATE
Term 4 - Sheet 4

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Which of these numbers is even?

13 , 51 , 83 , 67 , 92 , 19 ☐

2. [Addition / Subtraction]

Complete the number sentence.

☐ + 13 = ☐
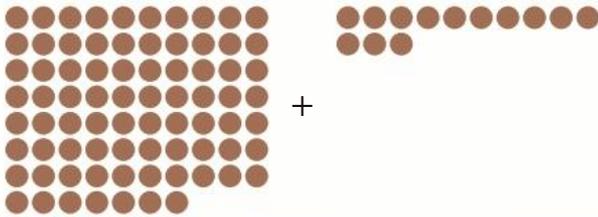
3. [Multiplication / Division]

Circle to complete the division.

$40 \div 4 =$ ☐

4. [+ Whole Numbers]

$$\begin{array}{r} 8\ 4\ 9\ 7 \\ +\ \ \ 8\ 0\ 9 \\ \hline \end{array}$$

5. [− Whole Numbers]

23	12	15	20	13
− 7				

6. [× Whole Numbers]

$$\begin{array}{r} 8 \\ \times\ 5 \\ \hline \end{array}$$

7. [÷ Whole Numbers]

$$4\ )\ 4\ 8$$

8. [Word Problems]

The Eureka Tower (Melbourne) has 91 floors. The Sears Tower (Chicago) has 19 more floors than the Eureka Tower. How many floors in the Sears Tower?
[Write the number sentence.]

☐ =

9. [Fractions]

Complete the equivalent fractions.

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	$\frac{1}{4}$

$$\frac{3}{6} = \frac{\Box}{4}$$

10. [Place Value]

Using the digits 2, 4 and 6 write a number between 410 and 430. ☐

11. [Word Numbers]

Write in numerals:

six thousand and two ☐

1 **2** **3** **4** **5** **6** **7** **8** **9** **10** **11**

12. [Money]

How much change would you get from $20?

$17.70

$ [   ]
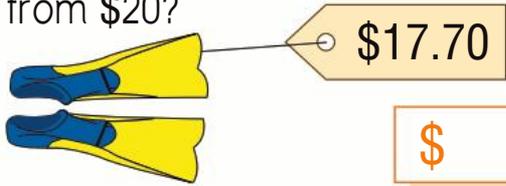
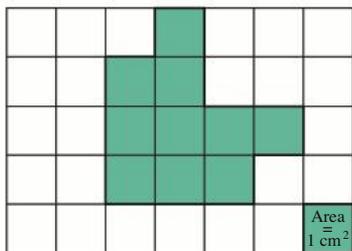**13.** [Number Patterns]

1 , 2 , 6 , 7 , 11 , [__ , __]

14. [Time]

Write the time 'a quarter to eight in the morning' in digital form.

[:]
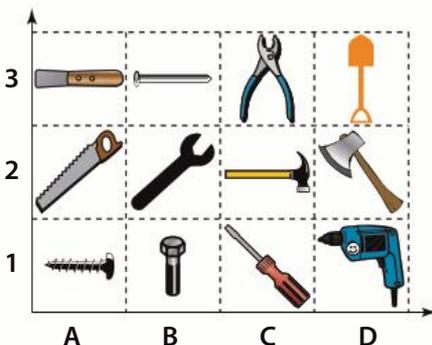
15. [Measuring]

Find the area of the shaded shape.

Area = 1 cm²

[cm²]

16. [Shapes]

Draw the lines of symmetry.

17. [Location]

Which tool is located at position A2?

[   ]

18. [Statistics / Probability]

List the four possible outcomes when you spin this spinner.

north
west   east
south

[   ]
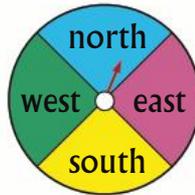
19. [Problem Solving 1] *

Two numbers add to 27. The larger number is 2 times the smaller number. What are the two numbers?

[and]

20. [Problem Solving 2]

A transparent square sheet has a design inside. The sheet is folded in half along the dots.

Which image will appear after folding?

A)   B)   C)

[   ]
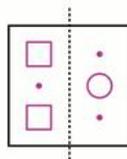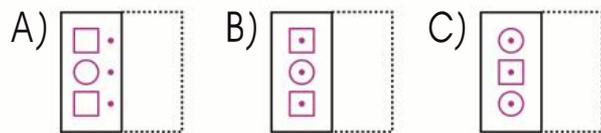
21. [Problem Solving 3]

Fill in the missing digits.

$$\begin{array}{r} \square\ \square \\ +\ 1\ \ 6 \\ \hline 7\ \ 8 \end{array}$$

1. [Counting]
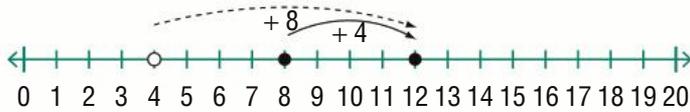
Complete the number line.

8   10   12   ☐   ☐   18   ☐   22

2. [Addition / Subtraction]

+8
+4
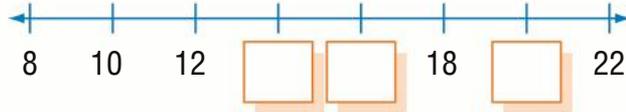
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

☐ $+ 8 = 8 + 4$

3. [Multiplication / Division]

$5 \times 10 = 50$ $50 \div 5 = $ ☐

4. [+ Whole Numbers]

| 10 | 15 | 19 | 8 | 13 |

+ 7 ☐ ☐ ☐ ☐ ☐
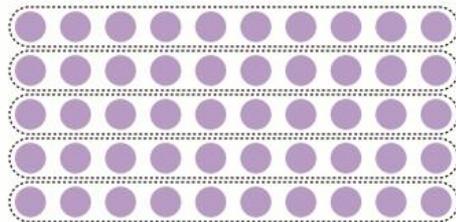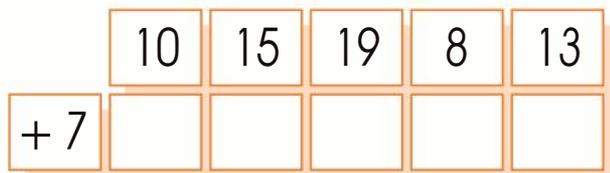
5. [− Whole Numbers]

$$\begin{array}{r} 2\ 4\ 2 \\ -\quad 1\ 6 \\ \hline \end{array}$$

6. [× Whole Numbers]

$$\begin{array}{r} 8 \\ \times\ 9 \\ \hline \end{array}$$

7. [÷ Whole Numbers]

$18 \div$ ☐ $= 9$

8. [Word Problems]

A lionfish has 13 spines on its back, 2 near the middle of its underside, and 3 on its underside near the tail. How many spines does a lionfish have in total? [Write the number sentence.]

| | = |

9. [Fractions]

Use <, = or > to make this true.

| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |

$\frac{4}{6}$ ☐ $\frac{3}{6}$

10. [Place Value]
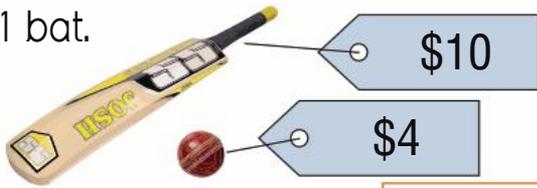
Place in order from smallest to largest:

96, 66, 99, 69

11. [Word Numbers]

Write the number 6000 in words.

12. [Money] *

Calculate the cost of 2 balls and 1 bat.
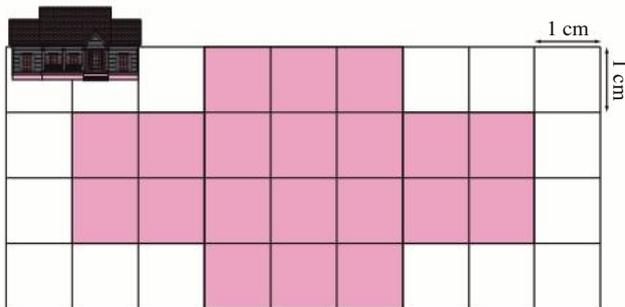
$10

$4

$ [ ]

13. [Number Patterns]

11 , 10 , 8 , 7 , 5 , [__ , __]

14. [Time]

Write the time 4:15 in words.

[ ]

15. [Measuring]

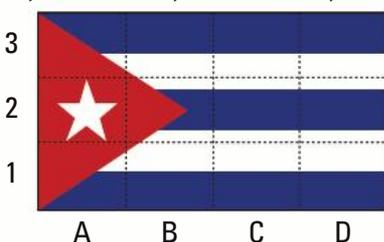The area of the doll's house is shaded. Find the area.

1 cm

1 cm

[ ] cm²

16. [Shapes]

Which lines are parallel?

A)   B)   C)

[ ]
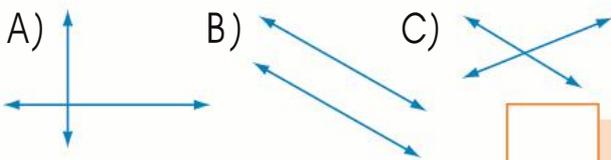
17. [Location]

In which position is the star on the flag of Cuba?

A) B2   B) A2   C) C2   D) D3

3

2

1

A   B   C   D

[ ]

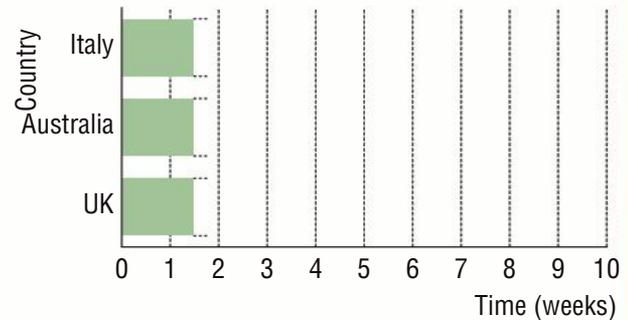## 18. [Statistics / Probability]

Use the table to fill in the graph.

Length of School Summer Holidays

Country	School holiday time
Italy	10 weeks
Australia	6 weeks
United Kingdom (UK)	5 weeks

Country

Italy

Australia

UK

0 1 2 3 4 5 6 7 8 9 10

Time (weeks)

19. [Problem Solving 1]

John counted the glasses by 7s.

How many glasses were left over when Julie counted them by 6s?

[ ]

20. [Problem Solving 2] *

A male Bengal tiger measures 185 cm in length, not including its tail and 305 cm including its tail. How long is the tail?

[ ] cm

21. [Problem Solving 3] *
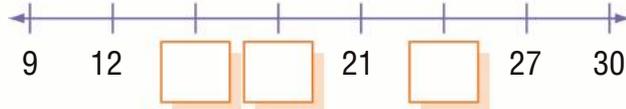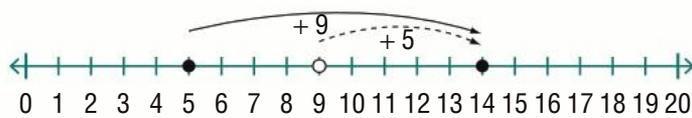
If $20 \times 5 = 100$, then

$22 \times 5 =$ [ ]

MATHS MATE
Term 4 - Sheet 6

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Complete the number line.

9   12   ☐   ☐   21   ☐   27   30

2. [Addition / Subtraction]

+9

+5

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

$9 + \boxed{} = 5 + 9$

3. [Multiplication / Division]
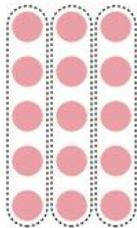
$5 \times 3 = 15$ $15 \div 3 = \boxed{}$

4. [+ Whole Numbers]

7	19	14	10	16
+ 6				

5. [− Whole Numbers]

$$\begin{array}{r} 3\ 4\ 1 \\ -\ 1\ 3\ 5 \\ \hline \end{array}$$

6. [× Whole Numbers]

$$\begin{array}{r} 6 \\ \times\ 6 \\ \hline \end{array}$$

7. [÷ Whole Numbers]

$50 \div \boxed{} = 5$

8. [Word Problems]

A Snow Goose is 76 centimetres high. An Emperor Penguin is 114 centimetres high. What is the difference between these heights? [Write the number sentence.]

[ ] = cm

9. [Fractions]

Use <, = or > to make this true.

$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

$\frac{7}{9} \boxed{} \frac{7}{9}$

10. [Place Value]

Place in order from largest to smallest:

105, 501, 15, 55, 115

[ ]

11. [Word Numbers]

Write the number 4007 in words.

[ ]

12. [Money] *

Calculate the cost of 1 pair of shoes and 2 pairs of socks.

$40

$4.50

$ ___

13. [Number Patterns]
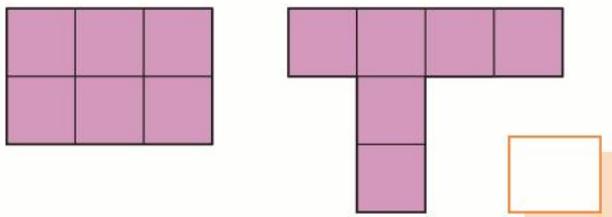
18 , 15 , 13 , 10 , 8 , ___ , ___

14. [Time]

Write the time 9:45 in words.

15. [Measuring]

The shapes below have the same:

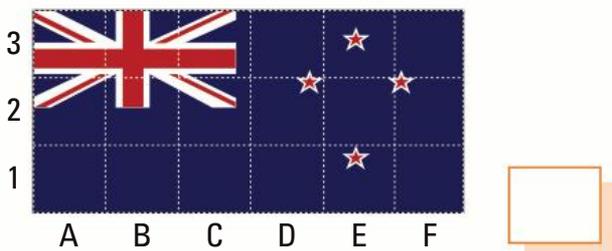A) perimeter
B) area
C) perimeter and area

16. [Shapes]

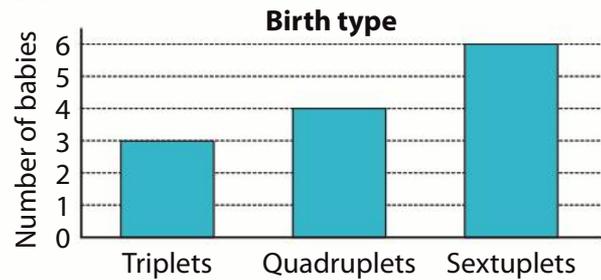Draw a line perpendicular to this horizontal line.

17. [Location]

Which of these locations has a star in it?
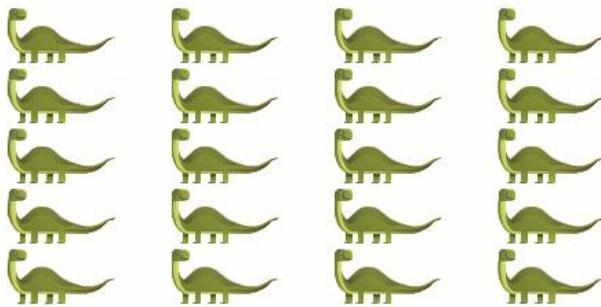
A) C1   B) E1   C) B3   D) A2

3
2
1

A   B   C   D   E   F

18. [Statistics / Probability]

Use the graph to complete the table.

Birth type

Number of babies

6
5
4
3
2
1
0

Triplets   Quadruplets   Sextuplets

Birth type	Number of babies
Triplets	
Quadruplets	
Sextuplets	

19. [Problem Solving 1]

Claude counted the dinosaurs by 4s.

How many dinosaurs were left over when Joanna counted them by 3s?

20. [Problem Solving 2] *

The Anaconda is 6 m long and the Reticulated Python is 10 m long. How many centimetres longer is the Python than the Anaconda?

cm

21. [Problem Solving 3] *

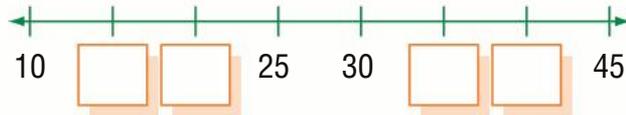If $30 \times 3 = 90$, then

$33 \times 3 =$

MATHS MATE
Term 4 - Sheet 7

ORANGE

Name: ....

Due Date: ..../.........../...........

Parent's Signature: ....

1. [Counting]

Complete the number line.

10 [ ] [ ] 25 30 [ ] [ ] 45

2. [Addition / Subtraction]

$8 +$ [ ] $= 13$ $13 - 8 =$ [ ]

3. [Multiplication / Division]

$6 \times 7 = 42$ $42 \div 6 =$ [ ]

4. [+ Whole Numbers]

14	19	7	18	13
$+ 8$				

5. [− Whole Numbers]

$$\begin{array}{r} 6\ 1\ 7 \\ -\ 1\ 3\ 4 \\ \hline \end{array}$$

6. [× Whole Numbers]

$$\begin{array}{r} 7 \\ \times\ 5 \\ \hline \end{array}$$

7. [÷ Whole Numbers]

[ ] $\div 3 = 8$

8. [Word Problems]

A yawn lasts 6 seconds. Walter yawned 5 times. For how long altogether did Walter yawn? [Write the number sentence.]
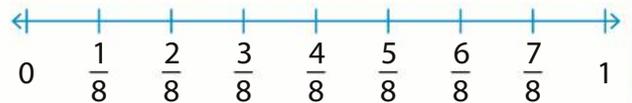
[= seconds]
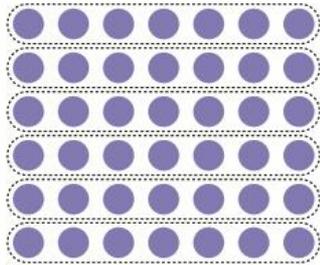
9. [Fractions]

Mark $\frac{5}{8}$ and $\frac{7}{8}$ on the diagram.

0   $\frac{1}{8}$ $\frac{2}{8}$ $\frac{3}{8}$ $\frac{4}{8}$ $\frac{5}{8}$ $\frac{6}{8}$ $\frac{7}{8}$ 1

Use <, = or > to make this true.

$\frac{5}{8}$ [ ] $\frac{7}{8}$

10. [Place Value]

Place in order from smallest to largest:

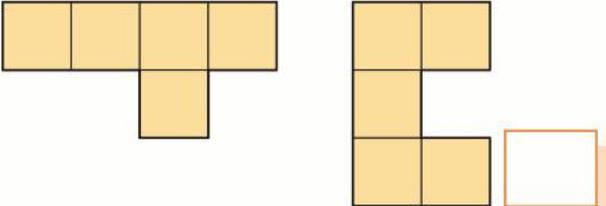205, 81, 212, 515, 152

[ ]

11. [Word Numbers]

Write the number 6030 in words.

[ ]

12. [Money] *

What is the total value of:

two 10-cent coins,
one 20-cent coin and
one 50-cent coin?

¢

13. [Number Patterns]

12 , 10 , 9 , 7 , 6 , ☐ __ , __
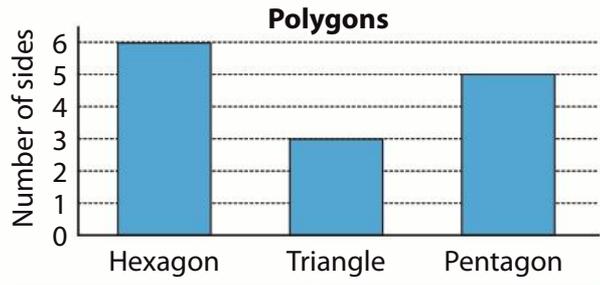
14. [Time]

Write the time in words.

15. [Measuring]

The shapes below have the same:

A)   perimeter
B)   area
C)   perimeter and area

16. [Shapes]

Draw an obtuse angle using this line.

17. [Location]

In which position is the climber?

A) A2   B) C4   C) B3   D) C2

4
3
2
1

A   B   C
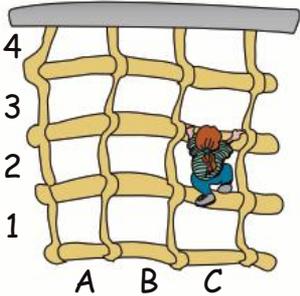
18. [Statistics / Probability]

Use the graph to complete the table.

Polygons

Number of sides

Polygons	Number of sides
Hexagon	
Triangle	
Pentagon	

19. [Problem Solving 1]

Cat counted the sunglasses by 5s.

How many sunglasses were left over when David counted them by 2s?

20. [Problem Solving 2] *

Gillian rides her bike 4 km each day for 2 weeks. How many kilometres does she travel in total?

km

21. [Problem Solving 3] *

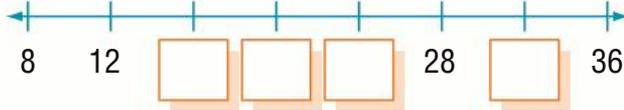If $50 \times 4 = 200$, then

$52 \times 4 =$ ☐

MATHS MATE

Term 4 - Sheet 8

ORANGE

Name: ....

Due Date: .... / .... / ....

Parent's Signature: ....

1. [Counting]

Complete the number line.

8   12   ☐ ☐ ☐   28   ☐   36

2. [Addition / Subtraction]

$9 +$ ☐ $= 20$ $20 - 9 =$ ☐

3. [Multiplication / Division]
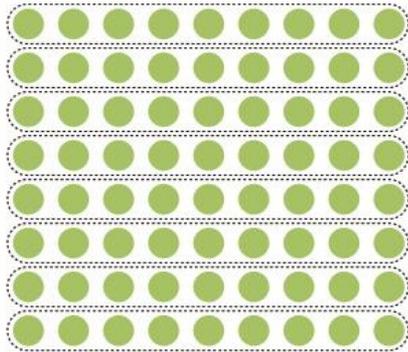
$8 \times 9 = 72$ $72 \div 8 =$ ☐

4. [+ Whole Numbers]

14	9	11	17	15
+ 9				

5. [− Whole Numbers]

$$\begin{array}{r} 6\ 3\ 2 \\ -\ 1\ 1\ 7 \\ \hline \end{array}$$

6. [× Whole Numbers]

$$\begin{array}{r} 9 \\ \times\ 4 \\ \hline \end{array}$$
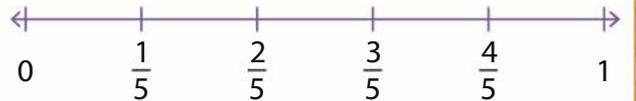
7. [÷ Whole Numbers]

☐ $\div 5 = 7$

8. [Word Problems]

There are 12 contestants entering the live shows of the music competition. They are equally divided into 4 teams. How many contestants does each team have? [Write the number sentence.]

☐ $=$

9. [Fractions]

Mark $\frac{4}{5}$ and $\frac{2}{5}$ on the diagram.

0   $\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ 1

Use <, = or > to make this true.

$\frac{4}{5}$ ☐ $\frac{2}{5}$

10. [Place Value]

Place in order from largest to smallest:

843, 348, 834, 438, 384

11. [Word Numbers]

Write the number 7052 in words.

12. [Money] *

What is the total value of:

two 1-dollar coins,
three 50-cent coins and
two 20-cent coins?

$ ____

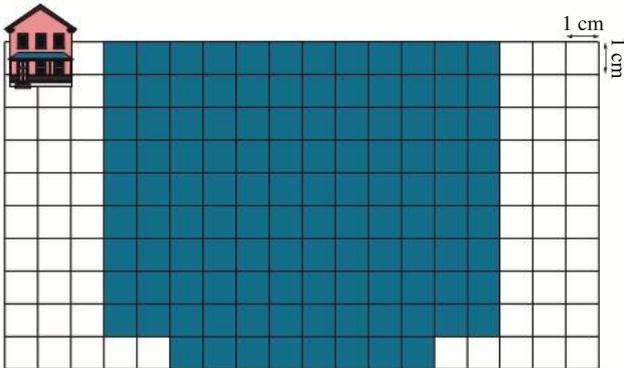**13.** [Number Patterns]

15 , 14 , 10 , 9 , 5 , ____ , ____

14. [Time]

Write the time in words.

____

15. [Measuring]

The area of the doll's house is shaded. Find the area.

1 cm

____ cm²

16. [Shapes]

Which angle is an acute angle?

A) B) C)

____
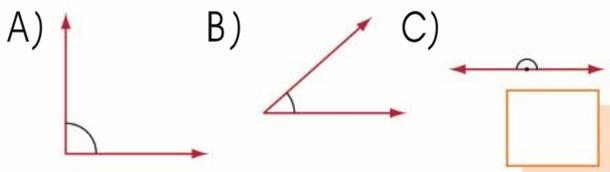
17. [Location]

In which seat is the man sitting?

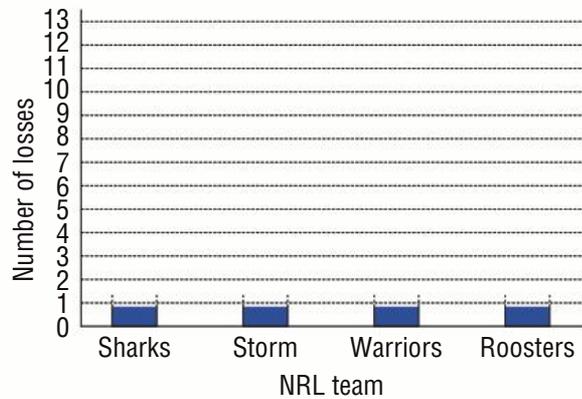A3 B3 C3 D3

A2 B2 C2 D2 E2

A1 B1 C1 D1 E1

____
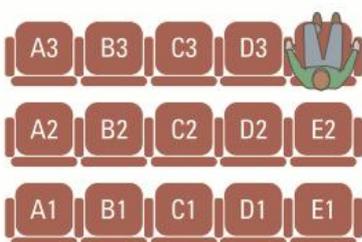
18. [Statistics / Probability]

Use the table to complete the graph.

NRL Clubs - losses in 2019

NRL Club	Losses	NRL Club	Losses
Sharks	10	Warriors	11
Storm	3	Roosters	6

Number of losses

Sharks Storm Warriors Roosters

NRL team

19. [Problem Solving 1]

Bill counted the rings by 6s.
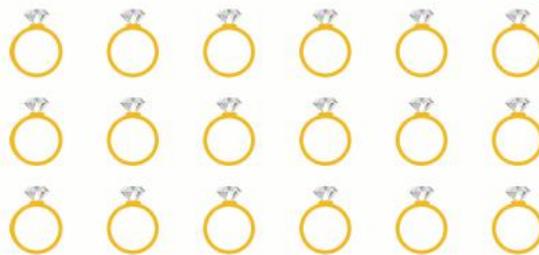
How many rings were left over when Val counted them by 4s?

____

20. [Problem Solving 2] *

Between 6:00 am and 7:00 am the temperature rose 1°C. Every hour after that the temperature rose by 2°C. By 1:00 pm the temperature was 28°C. What was the temperature at 6:00 am?

____ °C

21. [Problem Solving 3] *

If $20 \times 6 = 120$, then

$22 \times 6 =$ ____