MATHS MATE

RS ROSE

trial pack

Includes:

How to use Maths Mate

Record keeping sheet: Term 1

Worksheet masters: Term 1, Sheets 1 to 4

Test masters: 1A & 1B

Worksheet answers: Term 1, Sheets 1 to 4

Test answers: 1A & 1B

Problem Solving Hints & Solutions

Skill Builders:

2.7 Adding numbers by using base 10 blocks.
2.8 Completing addition number sentences by using base 10 representation.

J. B. Wright & I. Tutos

HOW TO USE MATHS MATE

1.
Students complete the **Maths Mate sheet.**
Parents sign the work.

2.
Students correct their work in class. Students colour the boxes to record their correct answers.

3.
The student **record keeping sheets** are completed. Students can transfer their results directly from the worksheet to the results sheet.

4.
Students identify the appropriate Skill Builder as listed on the record keeping sheet.

5.

Students complete the **Skill Builder.** Students are supported with instructions and worked examples.

8.
Skill 8 [Decimal ×,÷]

[multiplying a whole number by a decimal number (*).]

Multiply from right to left, disregarding the decimal point.
- Count the number of places to the right of the decimal point in the question.
- Position the decimal point the same number of places from the right in the answer.

Blue **1 2 3** 4 4
Green **1** 2 2 3 4 4

Q. $0.62 \times 4 =$ A. $0.62 \times 4 = 2.48$

$4 \times 2 = 8$ write 8
$4 \times 6 = 24$ carry 2, write 4
$4 \times 0 + $ carry $2 = 2$ write 2

2 decimal places in question so move decimal point 2 places from right in the answer.

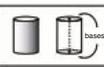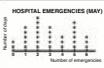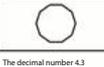a) $0.9 \times 3 =$ **2.7** b) $0.8 \times 2 =$ c) $0.7 \times 5 =$

d) $0.4 \times 6 =$ e) $0.3 \times 7 =$ f) $0.6 \times 9 =$

g) $5.1 \times 3 =$ h) $4.3 \times 6 =$ i) $2.7 \times 4 =$

j) $3.8 \times 2 =$ k) $1.9 \times 5 =$ l) $7.3 \times 8 =$

page 33 — © Maths Mate Blue/Green Skill Builder 8

6.

The Skill Builders also have a **Glossary** and **Maths Facts**.

cylinder	• A *solid* with two *parallel* circular *bases* of the same size.	bases
data	• Collection of information that can include facts, numbers or measurements.	HOSPITAL EMERGENCIES (MAY)
day	• A *unit* of *time* equal to 24 *hours*.	A day starts and ends at midnight.
daylight saving time	• Use of fictitious time in the summer months that prolongs light in the evening hours.	During daylight saving clocks are one hour ahead of real time.
deca	• Prefix meaning ten.	Decathlon is an athletics contest with ten events.
decade	• A *unit* of *time* equal to 10 *years*.	2011 to 2020 make a decade.
decagon	• A shape with 10 *sides*.	
decimal number	• A number based on the ten *place value* system where a *decimal point* separates the *units* and *tenths*.	The decimal number 4.3 represents: 4 - ones, 3 - tenths OR 4 and 3 tenths.
decimal place		7 is in the tenths place. 6 is in the hundredths place. 3 is in the thousandths place.
decimal point (.)	• A point that separates the *units* and *tenths* in a *decimal number*.	2.5 is a decimal number where the 2 and the 5 are separated by a decimal point.
decrease	• To make smaller.	8 must decrease by 5 to become 3.
deduct	• To take away.	If you deduct 1 from 3 there are 2 left. $3 - 1 = 2$

page 334 — © Maths Mate Blue/Green Skill Builder Glossary

7.

Testing is available after every 4 Maths Mate sheets.

MATHS MATE
Test 1
Covering worksheets 1.1 - 1.4
Name:

1. [+ Whole Numbers to 10]
| 1 | 5 | 3 | 10 | 7 | 9 | 2 | 6 | 8 | 4 |
$+1$

2. [− Whole Numbers to 10]
| 12 | 10 | 8 | 14 | 7 | 5 | 13 | 11 | 6 | 9 |
-4

3. [× Whole Numbers to 12]
| 12 | 6 | 3 | 8 | 9 | 11 | 7 | 4 | 10 | 5 |
$\times 5$

4. [÷ Whole Numbers to 12]
| 100 | 50 | 40 | 90 | 20 | 70 | 30 | 80 | 110 | 60 |
$\div 10$

5. [Large Number +,−]
$6\,590 - 2\,340$

6. [Large Number ×,÷]
$\frac{96\,000}{100} =$

7. [Decimal +,−]
$2.75 + 6.19$

8. [Decimal ×,÷]
0.8×4

9. [Fraction +,−]
$\frac{3}{10} + \frac{4}{10} =$

10. [Fraction ×,÷]
$\frac{2}{7} \times 3 =$

11. [Percentages] Write as a percentage: 37 out of 100.

12. [Decimals / Fractions / Percentages] What percentage of the shape is shaded?

13. [Integers] Which state has the lowest recorded temperature?
A) −13°C Tasmania
B) −11°C Victoria
C) −23°C NSW

14. [Rates / Ratios] Simplify the ratio $12 : 16$

15. [Indices / Square Roots] Write the product as a power: $9 \times 9 \times 9 \times 9 =$

16. [Order of Operations] $12 + 3 - 8 =$

17. [Exploring Numbers] Which number is the largest?
A) 20543
B) 20345
C) 20534

18. [Multiples / Factors / Primes] List the common multiples of 2 and 5 up to 35.

19. [Number Patterns] Complete the pattern: $4, 9, 14, 19, 24,$ ___

20. [Expressions] Simplify $g + g$

21. [Substitution] If $d = 7$, find the value of $d + 9$

22. [Equations] ___ $+ 6 = 14$

page 1

23. [Coordinates] Start at the origin. Move 6 units to the left along the x-axis and then up 3 units. Plot a point. What are the coordinates of the point? (,)

24. [Units of Measurement / Time] 6 hours = ___ minutes

25. [Perimeter] Use a ruler to find the perimeter of the equilateral triangle in centimetres. ___ cm

26. [Area / Volume] Find the area of the rectangle. Area = 1 cm². ___ cm²

27. [Shapes] Use a protractor to measure this angle.

28. [Location / Transformation] Which of these Italian cities is west of Cremona?

29. [Statistics] How many films have won ten or more Oscars?
≥6 Oscar wins by film
Number of Oscars

30. [Probability] There are 6 toffee, 14 caramel and 8 nut centred chocolates in a box. How many chocolates do you have to pick to make sure you have at least one nut centred chocolate?

31. [Problem Solving 1] The digits 2, 4, 7, 8 and 9 are arranged to form even, five-digit numbers. What is the tens digit in the largest of these numbers?

32. [Problem Solving 2] Some cubes have been removed from an array of $4 \times 3 \times 3$. How many cubes remain?

33. [Problem Solving 3] Each of the digits 1 to 9 appears once in the sum below. Fill in the missing digits.
4 2 + ___ ___ = ___ ___

page 2

8.

If a student is having difficulty with their problem solving strategies, then the **Problem Solving Hints & Solutions** can be used by teachers to develop students' problem solving skills.

1.3

31. **Hint:** *Consider the properties of even numbers. Make an organised list ordering the digits from largest to smallest.*
Solution: To be even, the numbers must end in 4 or 6. The largest possibilities for each ending are 76 534 and 75 436.
The largest number is 76 534 and the hundreds digit is **5**.

MATHS MATE

ROSE

Worksheet Results

Term 1

Name: ....

Class: ....

Teacher: ....

		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	1.2,3	1	1	1	1	1.4,10
	2. [Addition / Subtraction]	2	2	2	2	2.2,3,4	2	2	2	2	2.5,12
	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	4.2,3,4,5,6
	5. [− Whole Numbers]	5	5	5	5	5.2,3,4,5,6	5	5	5	5	5.2,3,4,5,6
	6. [× Whole Numbers]	6	6	6	6	6.2,3,5,6	6	6	6	6	6.4,5,6
	7. [÷ Whole Numbers]	7	7	7	7	7.2	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	9.2,4	9	9	9	9	9.3,6
	10. [Place Value]	10	10	10	10	10.1,2	10	10	10	10	10.3
	11. [Word Numbers]	11	11	11	11	11.1,2	11	11	11	11	11.1
	12. [Money]	12	12	12	12	12.1,2	12	12	12	12	12.3
	13. [Number Patterns]	13	13	13	13	13.1	13	13	13	13	13.2
MEASUREMENT & SPACE	14. [Time]	14	14	14	14	14.1,2	14	14	14	14	14.3
	15. [Measuring]	15	15	15	15	15.1	15	15	15	15	15.2
	16. [Shapes]	16	16	16	16	16.1	16	16	16	16	16.2
	17. [Location]	17	17	17	17	17.1,2	17	17	17	17	17.3
S & P	18. [Statistics / Probability]	18	18	18	18	18.4	18	18	18	18	18.6
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

Name: ....

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

Parent's Signature: ....

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1. [Counting]

Write the numbers before and after 200.

	200	

2. [Addition / Subtraction]

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

2	4	9	7	5
1	8	6	5	3

3. [Multiplication / Division]

Complete the multiplication.
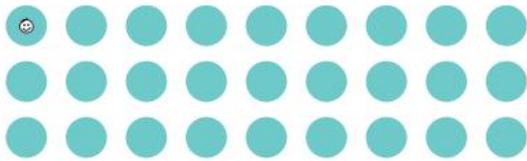
3 rows of 9 =

$$\boxed{} \times \boxed{} = \boxed{}$$

4. [+ Whole Numbers]

	2	14	9	3	16
+ 8					

5. [− Whole Numbers]

	19	14	16	13	18
− 10					

6. [× Whole Numbers]

	7	9	11	4	6
× 3					

7. [÷ Whole Numbers]

$80 \div 10 = \boxed{}$

8. [Word Problems]

The school zone speed limit in New Zealand is 40 km/h. For New Zealand's highways the speed limit is 60 km/h higher. What is the speed limit for New Zealand's highways?
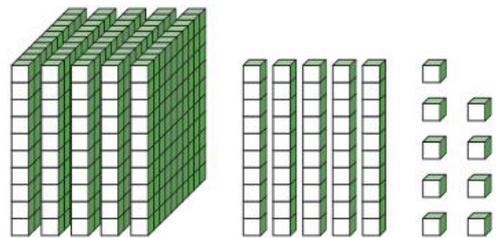[Write the number sentence.]

$$\boxed{} = \quad km/h$$

9. [Fractions]

Colour one ninth of the rectangle.
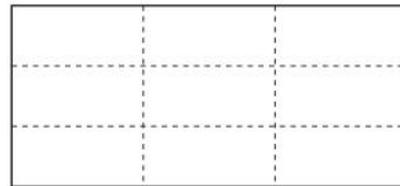
10. [Place Value]

5 hundreds 5 tens 9 ones = $\boxed{}$

11. [Word Numbers]

Write in numerals:

nineteen $\boxed{}$

12. [Money]

Circle the coin with the greatest value.

13. [Number Patterns]

13 , 15 , 17 , 19 , 21 , [__ , __]

14. [Time]

17 February 2026 marks the beginning of the Chinese New Year of the Horse. Which day of the week is this?

FEBRUARY - 2026													
Sun	1	Mon	2	Tue	3	Wed	4	Thu	5	Fri	6	Sat	7
Sun	8	Mon	9	Tue	10	Wed	11	Thu	12	Fri	13	Sat	14
Sun	15	Mon	16	Tue	17	Wed	18	Thu	19	Fri	20	Sat	21
Sun	22	Mon	23	Tue	24	Wed	25	Thu	26	Fri	27	Sat	28

15. [Measuring]

Which landmark is the widest?

A)   B)   C)
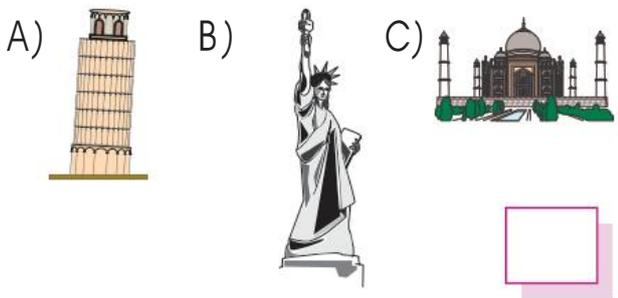
16. [Shapes]

Circle the pyramid.

17. [Location]

Is the cello 'in front of' or 'behind' the blocks?
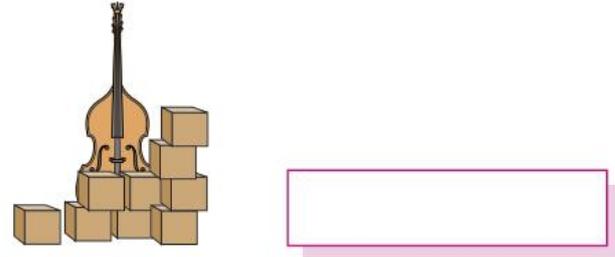
18. [Statistics / Probability]

Complete the tally table for the number of balls used in:

billiards - 3, snooker - 22, 8-ball - 17

Number of balls used in games

Game	Tally
billiards	III
snooker	
8-ball	

19. [Problem Solving 1] *

Which number is halfway between 3 and 25?

20. [Problem Solving 2] *

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

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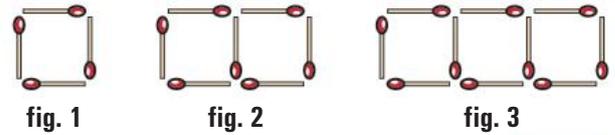
21. [Problem Solving 3] *

So far Ricky's team has one outright and two 1st innings wins. How many points are they on?

cricket result	points
outright win	6
1st innings win	2
outright loss	0

MATHS MATE
Term 1 - Sheet 2

ROSE

1. [Counting]

Write the numbers before and after 985.

	985	

2. [Addition / Subtraction]

Draw lines to join pairs of numbers that add to 20.

13	15	19	14	12
6	8	1	5	7

3. [Multiplication / Division]

Complete the multiplication.
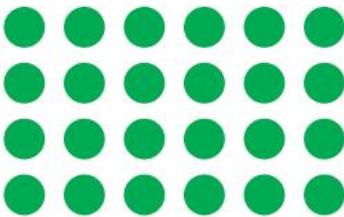
4 rows of 6 =

☐ × ☐ = ☐

4. [+ Whole Numbers]

	0	19	3	7	15
+ 4					

5. [− Whole Numbers]

	8	14	21	9	7
− 5					

6. [× Whole Numbers]

	7	2	5	3	9
× 9					

7. [÷ Whole Numbers]

$5 \div 1 = $ ☐

8. [Word Problems]

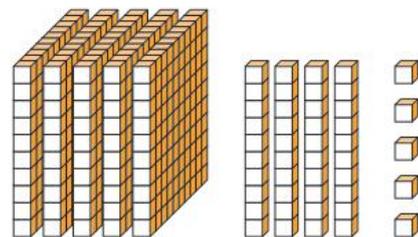A roll of 40 one-dollar coins weighs 200 grams. How many grams does one coin weigh? [Write the number sentence.]

	=	g

9. [Fractions]

Colour two quarters of the square.
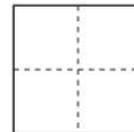
10. [Place Value]

☐ hundreds ☐ tens ☐ ones

= ☐

11. [Word Numbers]

Write the number 90 in words.

12. [Money]

Circle the coin with the least value.

13. [Number Patterns]

14 , 17 , 20 , 23 , 26 , [__ , __]

14. [Time]

How many weekends in May 2021?

MAY - 2021

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

15. [Measuring]

Which is likely to be the longest?

A) javelin
B) sword
C) relay baton

16. [Shapes]

Circle the cylinder.

17. [Location]

Is the man 'inside' or 'outside' the bath?

18. [Statistics / Probability]

Complete the tally table.

New stamp sets - 2019

Set	Tally	Number
2019 ANZAC	IIII I	
Year of the Pig		4
Sir Edmund Hillary		5
Colin McCahon		5
Rock Legends		9

19. [Problem Solving 1] *

Which number is halfway between 6 and 30?

20. [Problem Solving 2] *

This is a row of 3 matchstick houses. How many matchsticks would it take to make a row of 6 matchstick houses?

21. [Problem Solving 3] *

Todd's team scored 3 touchdowns and 1 field goal. How many points did Todd's team score?

grid iron score	points
touchdown	6
field goal	3
two-point conversion	2
point after touchdown	1

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MATHS MATE

Term 1 - Sheet 3

ROSE

Name: ....

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

Parent's Signature: ....

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1. [Counting]
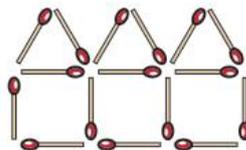
Count backwards from 622.

| 622 | | | | |

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$$8 + 7 + 9 + 3 = \boxed{}$$

3. [Multiplication / Division]
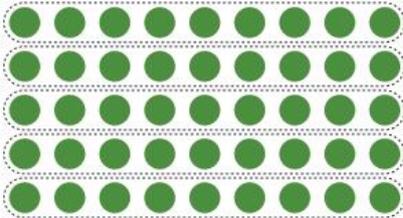
45 divided into 5 groups =

$$45 \div 5 = \boxed{}$$

4. [+ Whole Numbers]

10	15	19	3	18

+ 7

5. [– Whole Numbers]

8	10	5	26	12

– 3

6. [× Whole Numbers]

5	7	12	3	6

× 4

7. [÷ Whole Numbers]

$$70 \div 10 = \boxed{}$$

8. [Word Problems]

Lions live in prides of about five adult female lions, two adult male lions, and their cubs. How many adult female lions would live in eight prides?
[Write the number sentence.]

| | = |

9. [Fractions]

Draw four more dotted lines to divide the star into fifths.
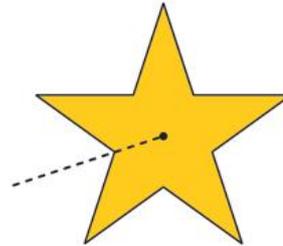
10. [Place Value]
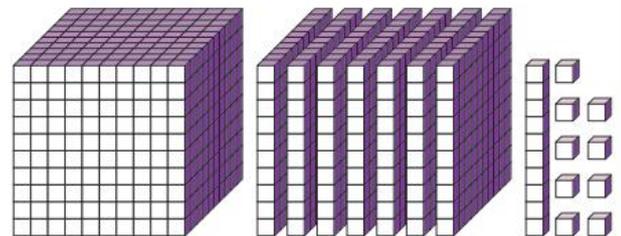
1 thousand 7 hundreds 1 ten 9 ones = \boxed{}

11. [Word Numbers]

Write the number 72 in words.

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

12. [Money]

Which note has the least value?

A)

B)

C)

13. [Number Patterns]

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

14. [Time]

What is the date of the second Friday in June 2021?

JUNE - 2021

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

15. [Measuring]

How much shorter is the Mataura River than the Waikato River?

A) Waikato River (North Island) 425 kilometres

B) Mataura River (South Island) 240 kilometres

km

16. [Shapes]

What shape is this object?

A) rectangular prism
B) cube
C) square pyramid

17. [Location]

Draw a paint brush next to the ladder.

18. [Statistics / Probability]

Complete the tally table. How many vowels are in the word 'stewardesses'?

'Stewardesses' - the longest word typed by the left hand

Vowel	Tally	Number
a	|	1
e		

19. [Problem Solving 1] *

Which number is halfway between 5 and 31?

20. [Problem Solving 2] *

This is a 3-section matchstick fence. How many matchsticks would it take to make an 8-section fence?
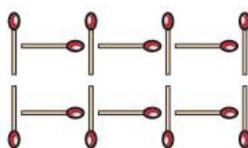
21. [Problem Solving 3] *

Marian shot 4 goals from inside the 3-point line and 2 goals from outside the 3-point line. How many points did Marian score?

basketball goals	points
foul shot	1
goal inside the 3-point line	2
goal outside the 3-point line	3

MATHS MATE
Term 1 - Sheet 4

Name: ....

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

Parent's Signature: ....

1. [Counting]

Count on from 2376.

2376			

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$8 + 7 + 4 + 2 = \boxed{}$

3. [Multiplication / Division]
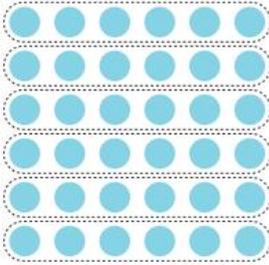
36 divided into 6 groups =

$\boxed{} \div \boxed{} = \boxed{}$

4. [+ Whole Numbers]

6	15	9	14	18
+ 9				

5. [− Whole Numbers]

20	12	11	29	13
− 7				

6. [× Whole Numbers]

4	8	9	2	10
× 8				

7. [÷ Whole Numbers]

$3 \div 1 = \boxed{}$

8. [Word Problems]

A ground squirrel whose usual temperature is 38°C has a hibernation temperature of 4°C. How many degrees less is the squirrel's hibernation temperature than its usual temperature?
[Write the number sentence.]

$\boxed{\qquad\qquad = \qquad °C}$

9. [Fractions]

Draw lines to divide the sign into thirds. [Hint: Once line has been drawn.]

10. [Place Value]

Write the numeral.

Th	H	T	O
Thousands	Hundreds	Tens	Ones

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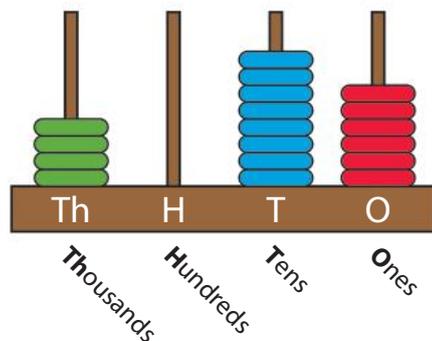
11. [Word Numbers]

Write in numerals:

forty-five

$\boxed{}$

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

12. [Money]

Which note has the greatest value?

A)

B)

C)

13. [Number Patterns]

30 , 35 , 40 , 45 , [__ , __]

14. [Time]

How many week days in September 2021?

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

15. [Measuring]

How much deeper is the Grand Canyon than Fish River Canyon?

A) Fish River Canyon (Namibia) 550 metres

B) Grand Canyon (USA) 1600 metres

m

16. [Shapes]

What shape is this object?
A) a cylinder
B) a triangular pyramid
C) a triangular prism

17. [Location]

Draw a person above the trampoline.

18. [Statistics / Probability]

Complete the tally table. How many vowels are in the word 'floccinaucinihilipilification'?

'Floccinaucinihilipilification'
The longest word in the English Language

Vowel	Tally	Number
o	||	2
i		
a		
u		

19. [Problem Solving 1] *

Which number is halfway between 2 and 20?

20. [Problem Solving 2] *

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

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

21. [Problem Solving 3] *

The Crows had 5 wins, 1 draw, 2 losses and 1 bye. How many points did they score?
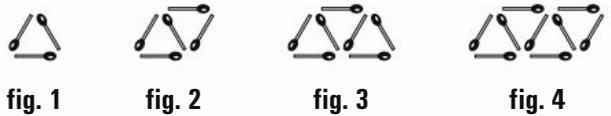
football result	points per game
win	4
draw	2
loss	0
bye	0

MATHS MATE

Test 1
Covering worksheets 1.1 - 1.4
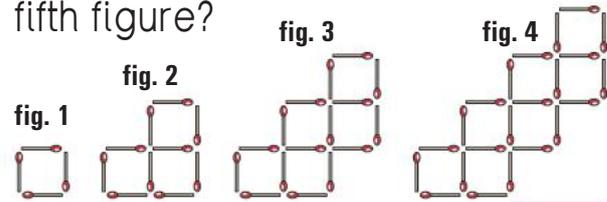
Name: ....

1. [Counting]

Count backwards from 283.

283				

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$8 + 7 + 8 + 3 =$ ☐

3. [Multiplication / Division]
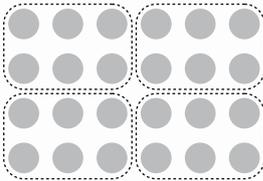
24 divided into 4 groups =

$24 \div 4 =$ ☐

4. [+ Whole Numbers]

14	7	16	13	5
+ 7				

5. [– Whole Numbers]

13	26	15	8	12
– 3				

6. [× Whole Numbers]

7	12	9	3	5
× 8				

7. [÷ Whole Numbers]

$90 \div 10 =$ ☐

8. [Word Problems]

In the 2016 Rio Olympics men's Marathon, 140 men finished the race and 15 did not finish. How many men started the marathon? [Write the number sentence.]

☐ = ☐

9. [Fractions]

Draw lines to divide the pizza into quarters.

10. [Place Value]

Write the numeral.

Th	H	T	O

Thousands **H**undreds **T**ens **O**nes

☐

11. [Word Numbers]

Write in numerals:

twenty-one

☐

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

12. [Money]

Which note has the greatest value?

A)

B)

C)

13. [Number Patterns]

1 , 4 , 7 , 10 , 13 , __ , __

14. [Time]

What is the date of the fourth Thursday in October 2021?

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

15. [Measuring]

How much longer is the Clarence River than the Rangitata River in New Zealand?

A) Clarence River (North Island)
209 kilometres

B) Rangitata River (South Island)
120 kilometres

km

16. [Shapes]

Circle the rectangular prism.

17. [Location]

Draw a pen inside the briefcase.

18. [Statistics / Probability]

Complete the tally table for the Olympic medals won by the USA:

gold - 9, silver - 8, bronze -6

Winter Olympics - PyeongChang 2018

USA Medals	Tally
gold	ЖН IIII
silver	
bronze	

19. [Problem Solving 1]

Which number is halfway between 1 and 19?

20. [Problem Solving 2]

If you continue the pattern, how many matchsticks would be in the sixth figure?

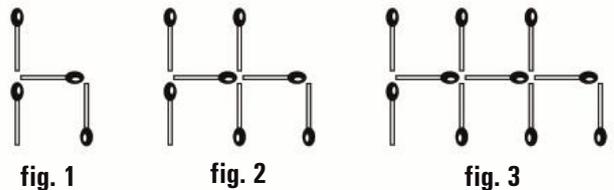fig. 1   fig. 2   fig. 3   fig. 4

21. [Problem Solving 3]

Last season the Jets won 3 matches and drew 2 matches. How many points did they earn for the season?

soccer matches	points
win	3
draw	1
loss	0

MATHS MATE

RS ROSE

Test 1
Covering worksheets 1.1 - 1.4

Name: ....

---

1. [Counting]

Count backwards from 262.

262				

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$$6 + 9 + 8 + 2 = \boxed{}$$

3. [Multiplication / Division]
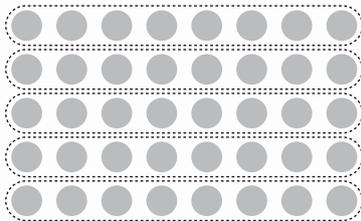
40 divided into 5 groups =

$$40 \div 5 = \boxed{}$$

4. [+ Whole Numbers]

15	8	12	4	17
+ 7				

5. [− Whole Numbers]

10	4	25	7	11
− 3				

6. [× Whole Numbers]

5	11	9	4	6
× 8				

7. [÷ Whole Numbers]

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

8. [Word Problems]

In the 2016 Rio Olympics women's Marathon, 133 women finished the race and 24 did not finish. How many women started the marathon?
[Write the number sentence.]

	=	

9. [Fractions]

Draw lines to divide this radioactive symbol into thirds.
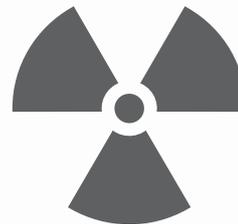
10. [Place Value]

Write the numeral.

Th	H	T	O	
Thousands	**H**undreds	**T**ens	**O**nes	

11. [Word Numbers]

Write in numerals:

eighty-seven

1	2	3	4	5	6	7	8	9	10	11

12. [Money]

Which note has the least value?

A)

B)

C)

13. [Number Patterns]

5 , 8 , 11 , 14 , 17 , | __ , __ |

14. [Time]

What is the date of the fifth Saturday in July 2021?

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]

How much longer is the Goulburn River than the Campaspe River in Australia?

A) Goulburn River (Vic)
    530 kilometres

B) Campaspe River (Vic)
    176 kilometres | km |

16. [Shapes]
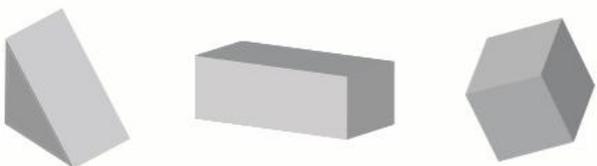
Circle the triangular prism.

17. [Location]

Draw a pair of drumsticks above the drum.

18. [Statistics / Probability]

Complete the tally table for the Olympic medals won by Norway:

gold - 14, silver - 14, bronze - 11

Winter Olympics - PyeongChang 2018

Norway Medals	Tally
gold	ЖИТ ЖИТ IIII
silver	
bronze	

19. [Problem Solving 1]

Which number is halfway between 4 and 20?

20. [Problem Solving 2]

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

fig. 1   fig. 2   fig. 3

21. [Problem Solving 3]

Mia answered 5 questions correct and had 1 question she did not try. How many points did she score?

quiz answers	points
correct	5
no answer	1
incorrect	0

MATHS MATE

Term 1 - Sheet 1

ROSE

Name: ....

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

Parent's Signature: ....

---

1. [Counting]

Write the numbers before and after 200.

| 199 | 200 | 201 |

2. [Addition / Subtraction]

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

2 4 9 7 5
1 8 6 5 3
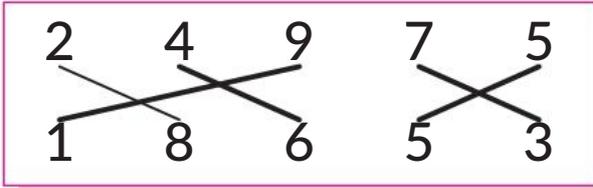
3. [Multiplication / Division]

Complete the multiplication.
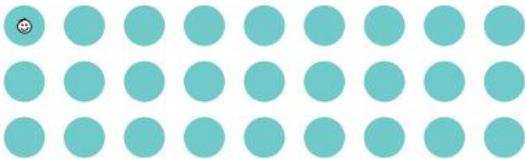
3 rows of 9 =

$3 \times 9 = 27$

4. [+ Whole Numbers]

	2	14	9	3	16
+ 8	10	22	17	11	24

5. [− Whole Numbers]

	19	14	16	13	18
− 10	9	4	6	3	8

6. [× Whole Numbers]

	7	9	11	4	6
× 3	21	27	33	12	18

7. [÷ Whole Numbers]

$80 \div 10 = 8$

8. [Word Problems]

The school zone speed limit in New Zealand is 40 km/h. For New Zealand's highways the speed limit is 60 km/h higher. What is the speed limit for New Zealand's highways?
[Write the number sentence.]

$40 + 60 = 100$ km/h

9. [Fractions]

Colour one ninth of the rectangle.

[any small rectangle]
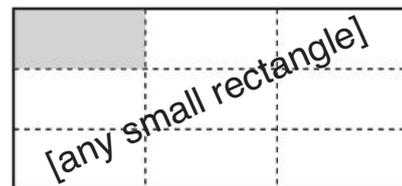
10. [Place Value]
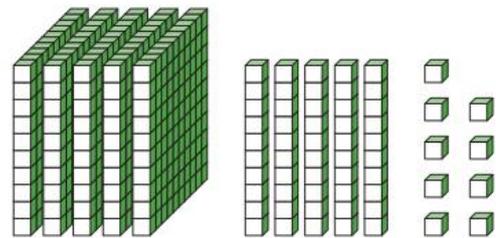
5 hundreds 5 tens 9 ones = 559

11. [Word Numbers]

Write in numerals:

nineteen   19

1 2 3 4 5 6 7 8 9 10 11

12. [Money]

Circle the coin with the greatest value.

13. [Number Patterns]

13 , 15 , 17 , 19 , 21 , **23 , 25**

14. [Time]

17 February 2026 marks the beginning of the Chinese New Year of the Horse. Which day of the week is this?

FEBRUARY - 2026

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

Tuesday

15. [Measuring]

Which landmark is the widest?

A)   B)   C)

C
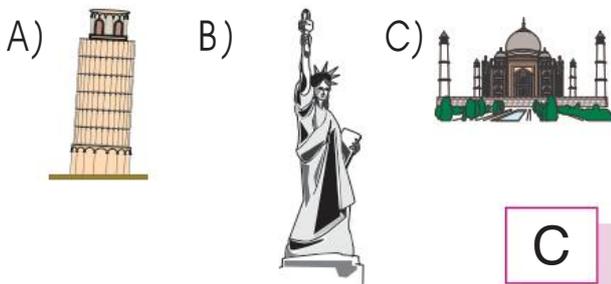
16. [Shapes]

Circle the pyramid.

17. [Location]

Is the cello 'in front of' or 'behind' the blocks?

behind

18. [Statistics / Probability]

Complete the tally table for the number of balls used in:

billiards - 3, snooker - 22, 8-ball - 17

Number of balls used in games

Game	Tally
billiards	|||
snooker	IIII IIII IIII IIII II
8-ball	IIII IIII IIII II

19. [Problem Solving 1] *

Which number is halfway between 3 and 25?

14

20. [Problem Solving 2] *

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

fig. 1   fig. 2   fig. 3

16
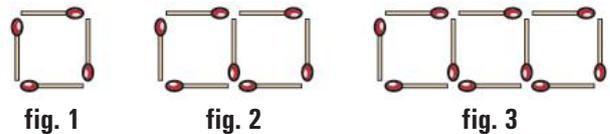
21. [Problem Solving 3] *

So far Ricky's team has one outright and two 1st innings wins. How many points are they on?

cricket result	points
outright win	6
1st innings win	2
outright loss	0

10

MATHS MATE

Term 1 - Sheet 2

R S O ROSE

Name: ....

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

Parent's Signature: ....

1. [Counting]

Write the numbers before and after 985.

| 984 | 985 | 986 |

2. [Addition / Subtraction]

Draw lines to join pairs of numbers that add to 20.

13 15 19 14 12
6   8   1   5   7
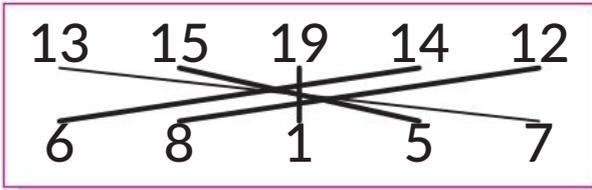
3. [Multiplication / Division]

Complete the multiplication.
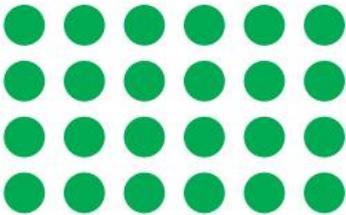
4 rows of 6 =

| 4 | × | 6 | = | 24 |

4. [+ Whole Numbers]

| | 0 | 19 | 3 | 7 | 15 |
| + 4 | 4 | 23 | 7 | 11 | 19 |

5. [− Whole Numbers]

| | 8 | 14 | 21 | 9 | 7 |
| − 5 | 3 | 9 | 16 | 4 | 2 |

6. [× Whole Numbers]

| | 7 | 2 | 5 | 3 | 9 |
| × 9 | 63 | 18 | 45 | 27 | 81 |

7. [÷ Whole Numbers]

$5 \div 1 =$ | 5 |

8. [Word Problems]

A roll of 40 one-dollar coins weighs 200 grams. How many grams does one coin weigh? [Write the number sentence.]

$200 \div 40 =$ 5 g

9. [Fractions]

Colour two quarters of the square.

[any 2 small squares]

10. [Place Value]
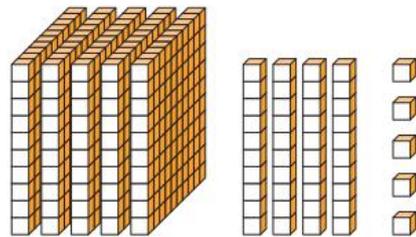
| 5 | hundreds | 4 | tens | 5 | ones |

= | 545 |

11. [Word Numbers]

Write the number 90 in words.

ninety

12. [Money]

Circle the coin with the least value.

13. [Number Patterns]

14 , 17 , 20 , 23 , 26 , **29 , 32**

14. [Time]

How many weekends in May 2021?

MAY - 2021

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

5

15. [Measuring]

Which is likely to be the longest?

A) javelin
B) sword
C) relay baton

A

16. [Shapes]

Circle the cylinder.

17. [Location]

Is the man 'inside' or 'outside' the bath?

inside

18. [Statistics / Probability]

Complete the tally table.

New stamp sets - 2019

Set	Tally	Number
2019 ANZAC	IIII I	6
Year of the Pig	IIII	4
Sir Edmund Hillary	IIII	5
Colin McCahon	IIII	5
Rock Legends	IIII IIII	9

19. [Problem Solving 1] *

Which number is halfway between 6 and 30?

18

20. [Problem Solving 2] *

This is a row of 3 matchstick houses. How many matchsticks would it take to make a row of 6 matchstick houses?

31

21. [Problem Solving 3] *

Todd's team scored 3 touchdowns and 1 field goal. How many points did Todd's team score?

grid iron score	points
touchdown	6
field goal	3
two-point conversion	2
point after touchdown	1

21

MATHS MATE
Term 1 - Sheet 3

ROSE

Name: ....

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

Parent's Signature: ....

---

1. [Counting]

Count backwards from 622.

622	621	620	619	618

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$8 + ⑦ + 9 + ③ =$ **27**

3. [Multiplication / Division]
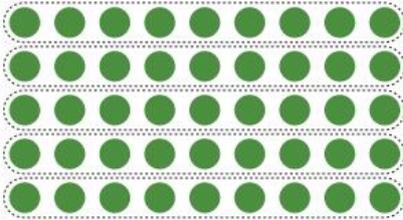
45 divided into 5 groups =

$45 ÷ 5 =$ **9**

4. [+ Whole Numbers]

	10	15	19	3	18
+ 7	17	22	26	10	25

5. [− Whole Numbers]

	8	10	5	26	12
− 3	5	7	2	23	9

6. [× Whole Numbers]

	5	7	12	3	6
× 4	20	28	48	12	24

7. [÷ Whole Numbers]

$70 ÷ 10 =$ **7**

8. [Word Problems]

Lions live in prides of about five adult female lions, two adult male lions, and their cubs. How many adult female lions would live in eight prides?
[Write the number sentence.]

$8 × 5 = 40$

9. [Fractions]

Draw four more dotted lines to divide the star into fifths.
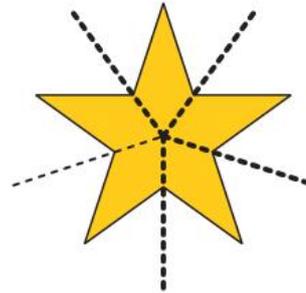
10. [Place Value]
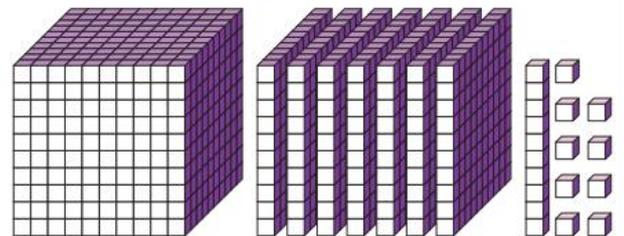
1 thousand 7 hundreds 1 ten 9 ones = **1719**

11. [Word Numbers]

Write the number 72 in words.

seventy-two

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

12. [Money]

Which note has the least value?

A)

B)

C)

A

13. [Number Patterns]

9 , 13 , 17 , 21 , 25 , 29 , 33

14. [Time]

What is the date of the second Friday in June 2021?

JUNE - 2021

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

11 June 2021

OR 11/6/2021

15. [Measuring]

How much shorter is the Mataura River than the Waikato River?

A) Waikato River (North Island) 425 kilometres
B) Mataura River (South Island) 240 kilometres

185 km

16. [Shapes]

What shape is this object?

A) rectangular prism
B) cube
C) square pyramid

A

17. [Location]

Draw a paint brush next to the ladder.
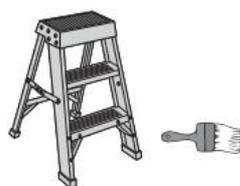
18. [Statistics / Probability]

Complete the tally table. How many vowels are in the word 'stewardesses'?

'Stewardesses' - the longest word typed by the left hand

Vowel	Tally	Number
a	l	1
e	III	3

4

19. [Problem Solving 1] *

Which number is halfway between 5 and 31?

18

20. [Problem Solving 2] *

This is a 3-section matchstick fence. How many matchsticks would it take to make an 8-section fence?
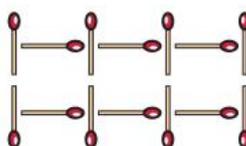
34

21. [Problem Solving 3] *

Marian shot 4 goals from inside the 3-point line and 2 goals from outside the 3-point line. How many points did Marian score?

basketball goals	points
foul shot	1
goal inside the 3-point line	2
goal outside the 3-point line	3

14

MATHS MATE
Term 1 - Sheet 4

RS ROSE

Name: ....

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

Parent's Signature: ....

---

1. [Counting]

Count on from 2376.

2376	2377	2378	2379

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

(8) + 7 + 4 + (2) = 21

3. [Multiplication / Division]
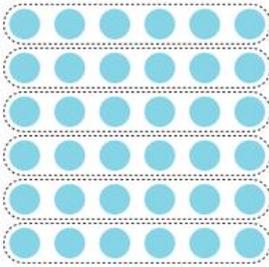
36 divided into 6 groups =

| 36 | ÷ | 6 | = | 6 |

4. [+ Whole Numbers]

	6	15	9	14	18
+ 9	15	24	18	23	27

5. [− Whole Numbers]

	20	12	11	29	13
− 7	13	5	4	22	6

6. [× Whole Numbers]

	4	8	9	2	10
× 8	32	64	72	16	80

7. [÷ Whole Numbers]

3 ÷ 1 = 3

8. [Word Problems]

A ground squirrel whose usual temperature is 38°C has a hibernation temperature of 4°C. How many degrees less is the squirrel's hibernation temperature than its usual temperature?
[Write the number sentence.]

38 − 4 = 34   °C

9. [Fractions]

Draw lines to divide the sign into thirds. [Hint: Once line has been drawn.]

10. [Place Value]

Write the numeral.

| Th | H | T | O |
| Thousands | Hundreds | Tens | Ones |
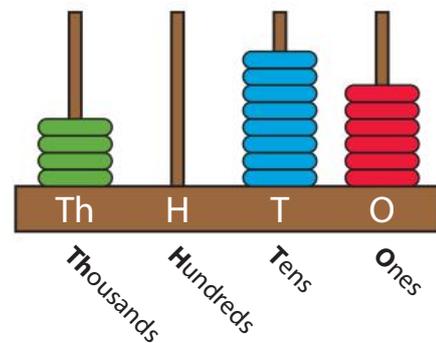
4086

11. [Word Numbers]

Write in numerals:

forty-five

45

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

12. [Money]

Which note has the greatest value?

A)

B)

C)

C

13. [Number Patterns]

30 , 35 , 40 , 45 , **50 , 55**

14. [Time]

How many week days in September 2021?

SEPTEMBER - 2021

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

22

15. [Measuring]

How much deeper is the Grand Canyon than Fish River Canyon?

A)   Fish River Canyon (Namibia) 550 metres

B)   Grand Canyon (USA) 1600 metres

1050 m

16. [Shapes]

What shape is this object?
A)   a cylinder
B)   a triangular pyramid
C)   a triangular prism

C

17. [Location]

Draw a person above the trampoline.

18. [Statistics / Probability]

Complete the tally table. How many vowels are in the word 'floccinaucinihilipilification'?

'Floccinaucinihilipilification'
The longest word in the English Language

Vowel	Tally	Number
o	II	2
i	JHT IIII	9
a	II	2
u	I	1

14

19. [Problem Solving 1] *

Which number is halfway between 2 and 20?

11

20. [Problem Solving 2] *

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

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

28

21. [Problem Solving 3] *

The Crows had 5 wins, 1 draw, 2 losses and 1 bye. How many points did they score?

football result	points per game
win	4
draw	2
loss	0
bye	0

22

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MATHS MATE

RSE ROSE

Test 1
Covering worksheets 1.1 - 1.4

Name: ....

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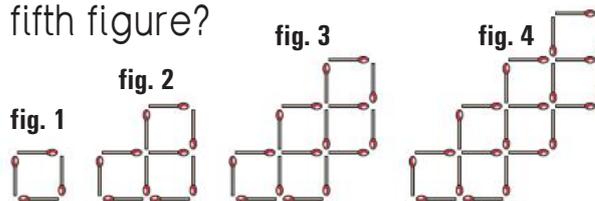
1. [Counting]

Count backwards from 283.

| 283 | 282 | 281 | 280 | 279 |

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

8 + ⑦ + 8 + ③ = | 26 |

3. [Multiplication / Division]
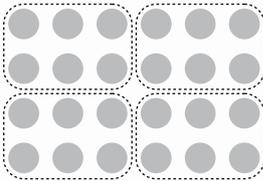
24 divided into 4 groups =

24 ÷ 4 = | 6 |

4. [+ Whole Numbers]

| 14 | 7 | 16 | 13 | 5 |

| + 7 | 21 | 14 | 23 | 20 | 12 |

5. [− Whole Numbers]

| 13 | 26 | 15 | 8 | 12 |

| − 3 | 10 | 23 | 12 | 5 | 9 |

6. [× Whole Numbers]

| 7 | 12 | 9 | 3 | 5 |

| × 8 | 56 | 96 | 72 | 24 | 40 |

**7.** [÷ Whole Numbers]

90 ÷ 10 = | 9 |

8. [Word Problems]

In the 2016 Rio Olympics men's Marathon, 140 men finished the race and 15 did not finish. How many men started the marathon? [Write the number sentence.]

| **140 + 15 = 155** |

9. [Fractions]

Draw lines to divide the pizza into quarters.

10. [Place Value]

Write the numeral.

| Th | H | T | O |

Thousands **H**undreds **T**ens **O**nes

| 3204 |
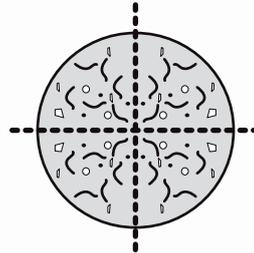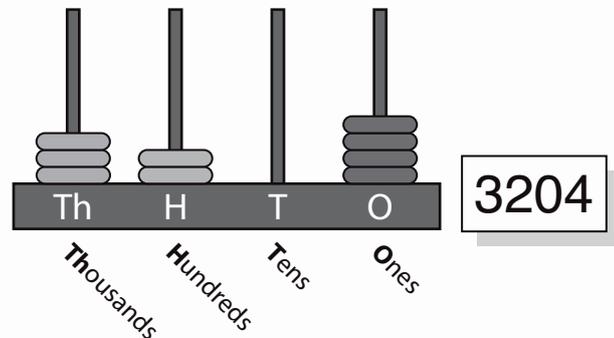
11. [Word Numbers]

Write in numerals:

twenty-one | 21 |

---

12. [Money]

Which note has the greatest value?

A)

B)

C)
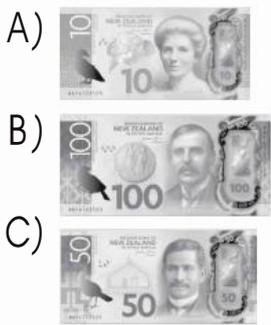
B

13. [Number Patterns]

1 , 4 , 7 , 10 , 13 , | <u>16</u> , <u>19</u> |

14. [Time]

What is the date of the fourth Thursday in October 2021?

OCTOBER - 2021

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

28 October 2021

OR 28/10/2021

15. [Measuring]

How much longer is the Clarence River than the Rangitata River in New Zealand?

A) Clarence River (North Island) 209 kilometres

B) Rangitata River (South Island) 120 kilometres

89 km

16. [Shapes]

Circle the rectangular prism.
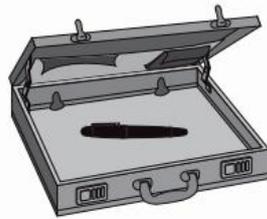
17. [Location]

Draw a pen inside the briefcase.

18. [Statistics / Probability]

Complete the tally table for the Olympic medals won by the USA:

gold - 9, silver - 8, bronze -6

Winter Olympics - PyeongChang 2018

| USA Medals	Tally
gold	ǀ̶H̶T̶ ǀǀǀǀ
silver	JHT ǀǀǀ
bronze	JHT ǀ

19. [Problem Solving 1]

Which number is halfway between 1 and 19?

10

20. [Problem Solving 2]

If you continue the pattern, how many matchsticks would be in the sixth figure?

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

13

21. [Problem Solving 3]

Last season the Jets won 3 matches and drew 2 matches. How many points did they earn for the season?

soccer matches	points
win	3
draw	1
loss	0

11

MATHS MATE

Test 1
Covering worksheets 1.1 - 1.4

Name: ....

---

1. [Counting]

Count backwards from 262.

| 262 | 261 | 260 | 259 | 258 |

2. [Addition / Subtraction]

Circle the numbers that make 10, then add.

$6 + 9 + ⑧ + ② = \boxed{25}$

3. [Multiplication / Division]
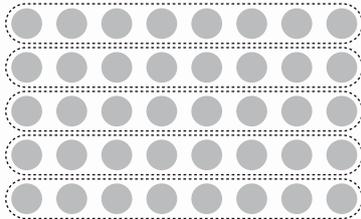
40 divided into 5 groups =

$40 ÷ 5 = \boxed{8}$

4. [+ Whole Numbers]

	15	8	12	4	17
+ 7	22	15	19	11	24

5. [− Whole Numbers]

	10	4	25	7	11
− 3	7	1	22	4	8

6. [× Whole Numbers]

	5	11	9	4	6
× 8	40	88	72	32	48

7. [÷ Whole Numbers]

$40 ÷ 10 = \boxed{4}$

8. [Word Problems]

In the 2016 Rio Olympics women's Marathon, 133 women finished the race and 24 did not finish. How many women started the marathon?
[Write the number sentence.]

$\boxed{133 + 24 = 157}$

9. [Fractions]

Draw lines to divide this radioactive symbol into thirds.
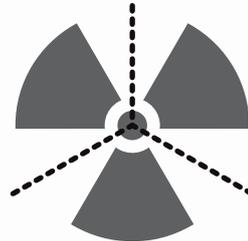
OR similar

10. [Place Value]

Write the numeral.

Th H T O
Thousands Hundreds Tens Ones

$\boxed{4025}$
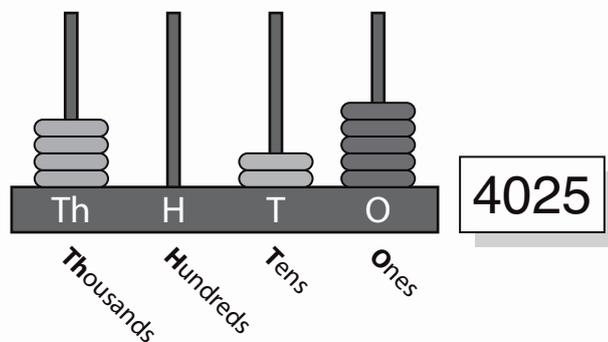
11. [Word Numbers]

Write in numerals:

eighty-seven

$\boxed{87}$

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

12. [Money]

Which note has the least value?

A)

B)

C)

C
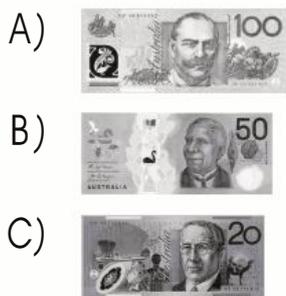
13. [Number Patterns]

5 , 8 , 11 , 14 , 17 , | **20** , **23**

14. [Time]

What is the date of the fifth Saturday in July 2021?

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

31 July 2021

OR 31/7/2021

15. [Measuring]

How much longer is the Goulburn River than the Campaspe River in Australia?

A) Goulburn River (Vic)
530 kilometres

B) Campaspe River (Vic)
176 kilometres

254 km

16. [Shapes]

Circle the triangular prism.
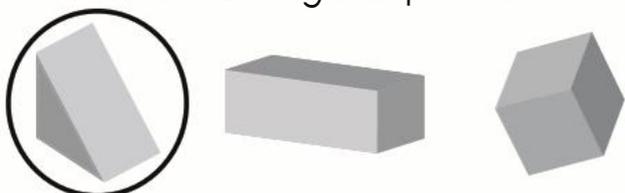
17. [Location]

Draw a pair of drumsticks above the drum.

18. [Statistics / Probability]

Complete the tally table for the Olympic medals won by Norway:

gold - 14, silver - 14, bronze - 11

Winter Olympics - PyeongChang 2018

Norway Medals	Tally
gold	JHT JHT IIII
silver	JHT JHT IIII
bronze	JHT JHT I

19. [Problem Solving 1]

Which number is halfway between 4 and 20?

12

20. [Problem Solving 2]

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

fig. 1   fig. 2   fig. 3

16
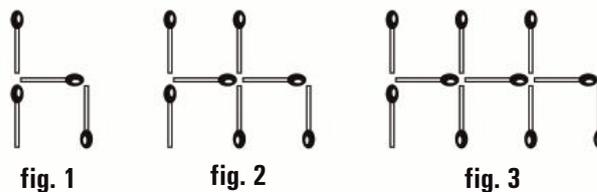
21. [Problem Solving 3]

Mia answered 5 questions correct and had 1 question she did not try. How many points did she score?

quiz answers	points
correct	5
no answer	1
incorrect	0

26

MATHS MATE

1.1

19. **Hint:** Draw a number line. How many units are between 3 and 25 on the number line?
Solution:
25 − 3 = 22
There are 22 units between 25 and 3.
So there are 22 units to divide, half each.
Half of 22 is 11.
3 + 11 = 14 OR 25 − 11 = 14
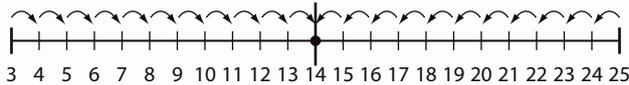
14 is halfway between 3 and 25.

20. **Hint:** How many squares in each figure? Look for a pattern.
Solution: There is one square in figure 1, two squares in figure 2 and three squares in figure 3. It follows that there would be four squares in figure 4 and five squares in figure 5.
A diagram would look like this:
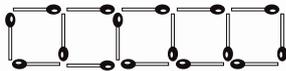
fig. 5

You can count the matchsticks or look for a pattern. The first square has 4 matchsticks. Adding the second square needs 3 more matchsticks. Adding the third square needs 3 more matchsticks.
The pattern is: Adding any square after the first needs 3 extra matchsticks.
4 + 3 + 3 + 3 + 3 = 16 matchsticks.

There would be **16** matchsticks in the fifth figure.

21. **Hint:** Check the number of points for each result.
Solution: An outright win gains 6 points.
A 1st innings win gains 2 points.
Two first innings wins would be twice this.
2 + 2 = 4 points
So Ricky's team has 6 + 4 = 10 points in total.

They are on **10** points.

1.2

19. **Hint:** Draw a number line. How many units are between 6 and 30 on the number line?
Solution:
30 − 6 = 24
There are 24 units between 30 and 6.
So there are 24 units to divide, half each.
Half of 24 is 12.
6 + 12 = 18 OR 30 − 12 = 18
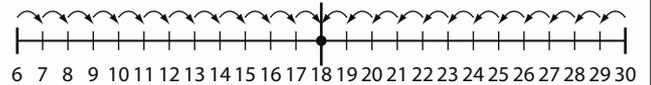
18 is halfway between 6 and 30.

20. **Hint:** How many matchsticks in each house?
Draw a table to list the results. Look for a pattern.
Solution:
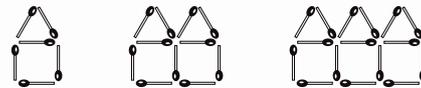
The first house has 6 matchsticks. Adding the second house needs only 5 more matchsticks.
In fact adding any house after the first needs 5 extra matchsticks.
A table would look like this:

Houses	1	2	3	4	5	6
Matchsticks	6	11	16	21	26	31

+5 +5 +5 +5 +5

It would take **31** matchsticks to make a row of 6 houses.

21. **Hint:** Check the number of points for each score.
Solution: A touchdown scores 6 points.
Three touchdowns would score 3 lots of 6 points.
6 + 6 + 6 = 18 points
A field goal scores 3 points.
So Todd's team has 18 + 3 = 21 points in total.

Todd's team scored **21** points.

19. **Hint:** Draw a number line. How many units are between 5 and 31 on the number line?
Solution:
31 − 5 = 26
There are 26 units between 31 and 5.
So there are 26 units to divide, half each.
Half of 26 is 13.
5 + 13 = 18 OR 31 − 13 = 18
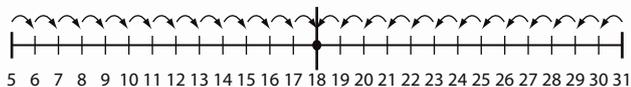
18 is halfway between 5 and 31.

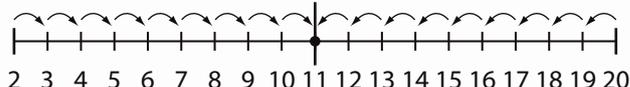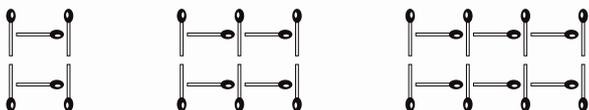**19.** **Hint:** Draw a number line. How many units are between 2 and 20 on the number line?
Solution:
20 − 2 = 18
There are 18 units between 20 and 2.
So there are 18 units to divide, half each.
Half of 18 is 9.
2 + 9 = 11 OR 20 − 9 = 11

11 is halfway between 2 and 20.

20. **Hint:** How many matchsticks in each section? Draw a table to list the results. Look for a pattern.
Solution:

The first section has 6 matchsticks. Adding the second section needs only 4 more matchsticks.
In fact adding any section after the first needs 4 extra matchsticks.
A table would look like this:

Sections	1	2	3	4	5	6	7	8
Matchsticks	6	10	14	18	22	26	30	34

+4 +4 +4 +4 +4 +4 +4

It would take **34** matchsticks to make an 8-section fence.

20. **Hint:** How many squares in each figure? Look for a pattern.
Solution: There is one square in figure 1, three squares in figure 2, five squares in figure 3 and seven squares in figure 4. It follows that there would be nine squares in figure 5.
A diagram would look like this:

fig. 5
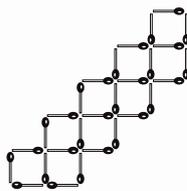
You can count the matchsticks or look for a pattern.
Figure 1 has 1 square and 4 matchsticks.
Figure 2 has 2 more squares and needs 6 more matchsticks.
Adding 2 more squares, to move from figure 2 to figure 3, also needs 6 more matchsticks.
The pattern is: Adding any 2 more squares needs 6 extra matchsticks.
4 + 6 + 6 + 6 + 6 = 28 matchsticks.

There would be **28** matchsticks in the fifth figure.

21. **Hint:** Check the number of points for each result.
Solution: A goal inside the 3-point line scores 2 points. Four goals from there would be four lots of this.
2 + 2 + 2 + 2 = 8 points
A goal outside the 3-point line scores 3 points. Two goals from there would be two lots of this.
3 + 3 = 6 points
So Marian's team has 8 + 6 = 14 points in total.

Marian scored **14** points.

21. **Hint:** Check the number of points for each result.
Solution: A win gains 4 points. Five wins would be five lots of this.
4 + 4 + 4 + 4 + 4 = 20 points
A draw gains 2 points.
Losses and byes gain no points.
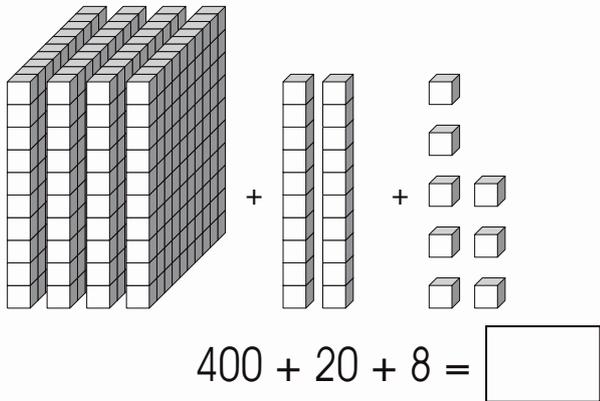So the Ravens have 20 + 2 = 22 points in total.

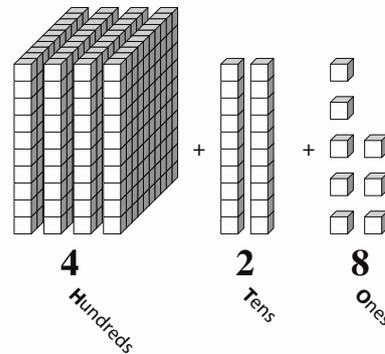The Ravens scored **22** points.

- Write the total number of 10 × 10 blocks in the hundreds place.
- Write the total number of 1 × 10 blocks in the tens place.
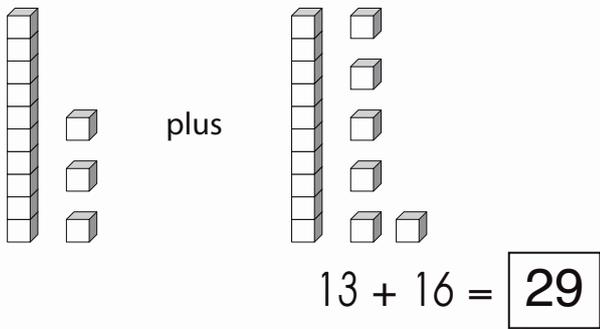- Write the total number of minis in the ones place.
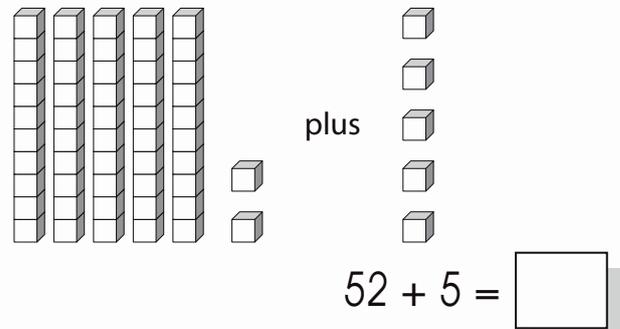
Q. Complete the addition.
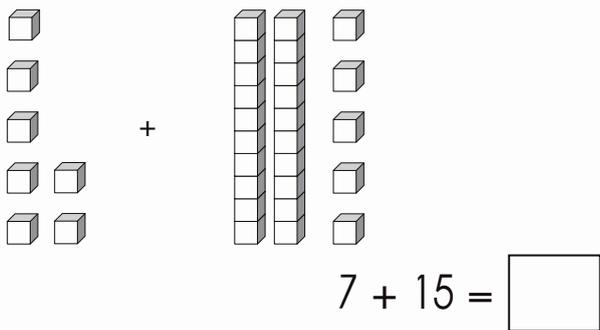
A. 400 + 20 + 8 = 428

400 + 20 + 8 = ☐

4 Hundreds **2** Tens **8** Ones

a) Complete the addition.

plus

13 + 16 = **29**

b) Complete the addition.

plus

52 + 5 = ☐

c) Complete the addition.

+

7 + 15 = ☐

d) Complete the addition.

+

20 + 36 = ☐
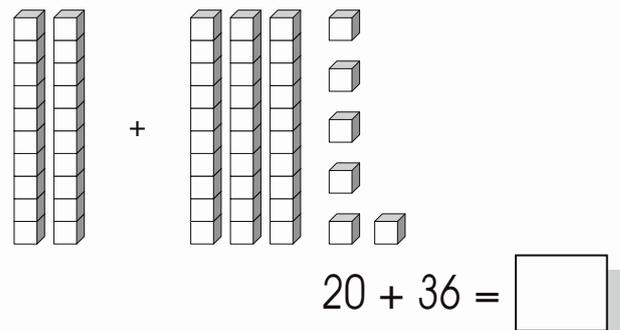
e) Complete the addition.

+

80 + 7 = ☐
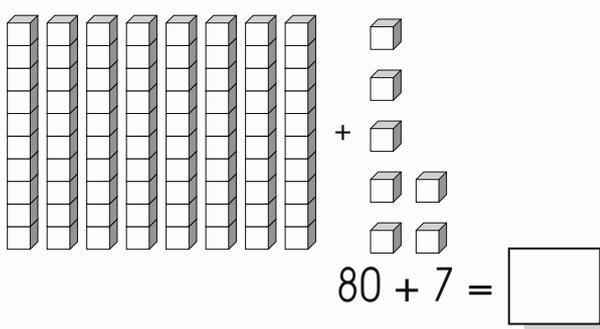
f) Complete the addition.

+

60 + 9 = ☐
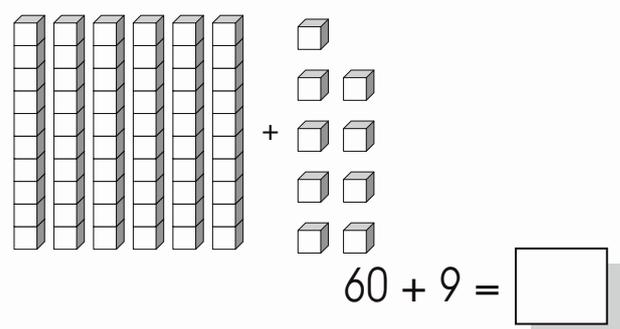
Skill 2.8 Completing addition number sentences by using base 10 representation.

- Count by 10s the number of dots on each side of the number sentence.
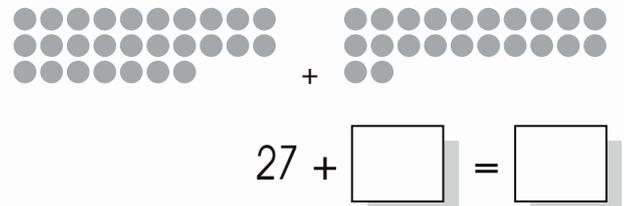- Add the totals.

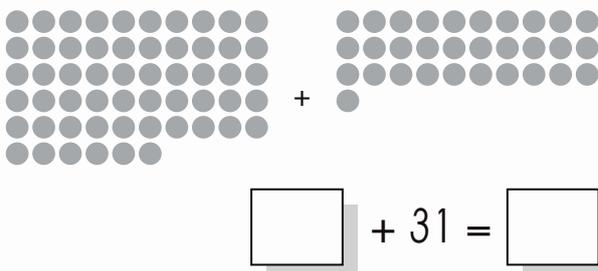**Q.** Complete the number sentence.

A. $38 + 41 = 79$

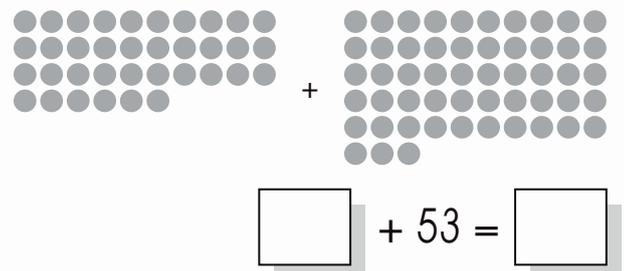$38 + \boxed{} = \boxed{}$
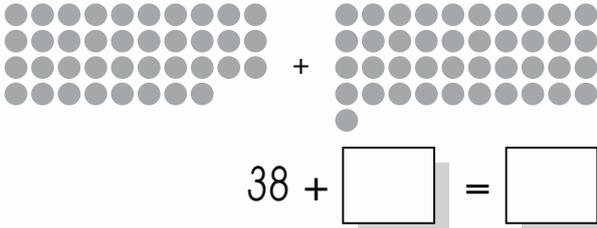
a) Complete the number sentence.

$\boxed{16} + 30 = \boxed{46}$
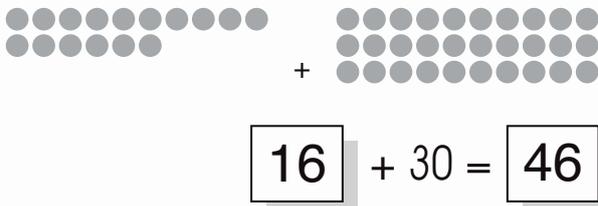
b) Complete the number sentence.

$27 + \boxed{} = \boxed{}$

c) Complete the number sentence.

$\boxed{} + 31 = \boxed{}$

d) Complete the number sentence.

$\boxed{} + 53 = \boxed{}$

e) Complete the number sentence.

$27 + \boxed{} = \boxed{}$

f) Complete the number sentence.

$\boxed{} + 32 = \boxed{}$

g) Complete the number sentence.

$50 + \boxed{} = \boxed{}$

h) Complete the number sentence.

$46 + \boxed{} = \boxed{}$