

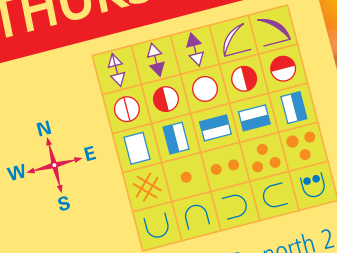
New wave mental maths



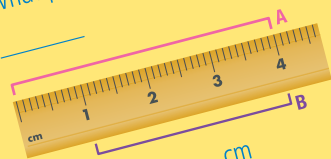
Revised edition



THURSDAY

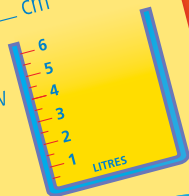


Start at the centre. Go north 2, west 1, south 3 and east 3. What position do you finish at?



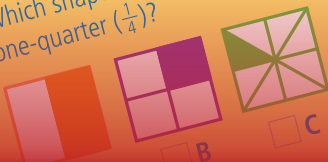
Line A is _____ cm
Line B is _____ cm

Colour to show half full.



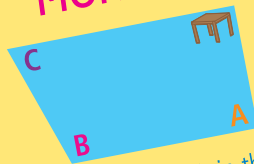
_____ cylinder _____ cone _____ cube

Which shape is coloured as one-quarter ($\frac{1}{4}$)?



PROBLEM-SOLVING

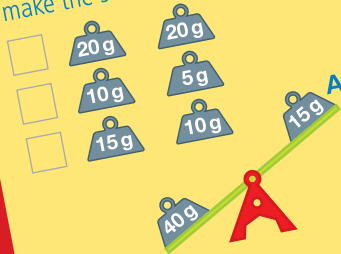
MONDAY



Alex stacked his chair in the corner wider than a right angle. It is in corner _____ . Colour the parallel sides.

TUESDAY

Which two weights at A will make the scales balance?



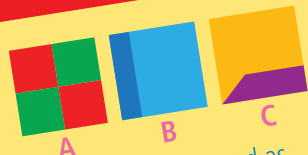
WEDNESDAY

Lara had 5 in one hand and 10 in the other. Total = _____

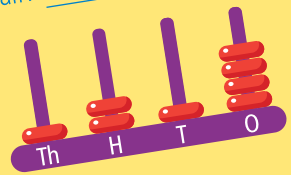
THURSDAY

A garden tub has 4 strawberry plants, each with 6 strawberries. How many strawberries? _____

FRIDAY REVIEW

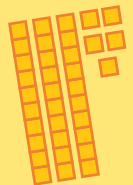


Which shape is coloured as a half? _____



Write as a number. _____

How many more blocks are needed to make 40?

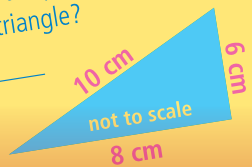


Match <, > and = to a right angle.



_____ or ten past _____

What is the perimeter of this triangle?




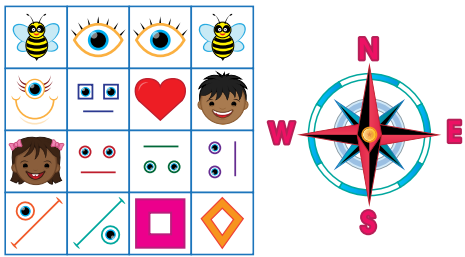
- Retains many of the bestselling features of **New wave mental maths**, with a range of added extras and new improvements, particularly in relation to problem-solving.
- Provides a 40-week, structured mental maths program linking to Australian Curriculum Mathematics, covering the strands of Number and Algebra, Measurement and Geometry, and Statistics and Probability.
- Provides daily practice of mental maths and problem-solving skills (10 daily questions for Book B; 15 daily questions for Book C; and 20 daily questions for Book D, Book E and Book F).
- Develops mathematical concepts and vocabulary sequentially, along with practice in speed of recall.

New features

- Modern and contemporary layout using subtle colours, which is not distracting or overwhelming for the student.
- A new 'Problem-solving' column in each week's unit of work.
- Problem-solving questions drawn from a mixture of strands and sub-strands, incorporating real-life maths contexts and situations.
- Problem-solving questions positioned in a separate column so teachers can use them flexibly: either for classwork or homework, or for a mental challenge before the maths daily lesson.
- Pictorial and written representatives of problems in both the problem-solving and daily columns.
- Maximum focus on maths concepts with the language and readability of questions simplified.
- Includes new question types, with the removal of some of the previous ones, based on feedback, comments and observations from practising teachers.

<i>Book B</i>	<i>Books C–F</i>
<ul style="list-style-type: none"> • New 'Problem-solving' column with one carefully worded problem-solving question for each day. • Friday review is grouped by a strand icon (Number and Algebra, Measurement and Geometry, and Statistics and Probability) to assist with teacher assessment of student's ability. 	<ul style="list-style-type: none"> • New format using a 3-page weekly unit with the Friday review now moved into the main week's unit of work for ease of access. • New 'Problem-solving' column with two carefully worded problem-solving questions for each day. • Friday review is grouped by a strand icon (Number and Algebra, Measurement and Geometry, and Statistics and Probability) to assist with teacher assessment of student's ability.

1. Start at . Go north 2, turn east 3, turn south 2, turn west 1 and you land on _____.



2. $100 - 7 =$ _____

3. (a) $100 - 70 =$ _____

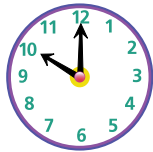
(b) $1000 - 300 =$ _____

4.

380					385
		392			395
	401				

5. $30 + 70 =$ _____

6. _____ o'clock



7. $10 \div 2 =$ _____

8. 50, _____, 150, 200

9. Rotate to landscape orientation. Colour the correct arrow.



$\frac{1}{4}$ turn



$\frac{1}{4}$ turn



$\frac{1}{2}$ turn



10. (a) $100 + 30 + 5 =$ _____

(b) $7 + 200 + 80 =$ _____

11. $4 + 6 =$ _____

12. $10 - 2 =$ _____

13. $2 \times 8 = 8 + 8 =$ _____

14. $8 - 4 =$ _____

15. $1 + 9 =$ _____

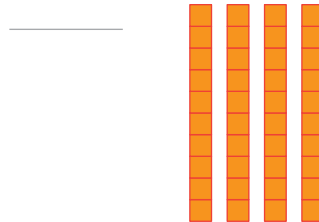
1. _____ o'clock



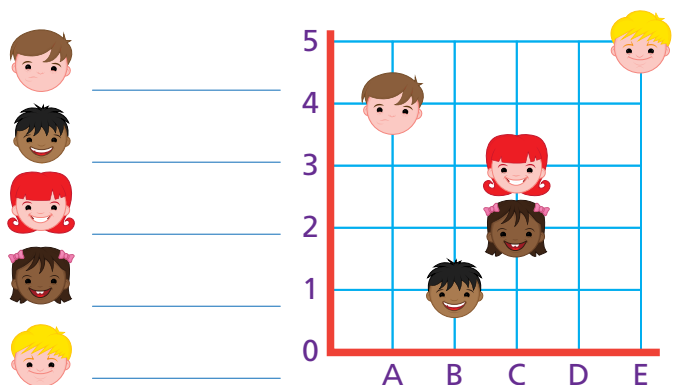
2. $100 - 8 =$ _____

3. What year is it? _____

4. How many more tens are needed to make 100?



5. Write the grid positions.



6. Write *one hundred and eleven* as a numeral.

7. $15 + 8 =$ _____

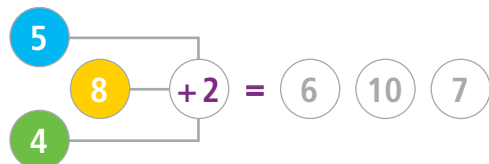
8. $20 - 6 =$ _____

9. 25, 50, 75, _____, 125

10. (a) $200 + 30 + 6 =$ _____

(b) $7 + 90 + 600 =$ _____

11. Colour-code the answers.



12. $10 - 4 =$ _____

13. $2 \times 9 = 9 + 9 =$ _____

14. $6 - 3 =$ _____

15. $10 - 1 =$ _____

PROBLEM-SOLVING

Monday

Colour 3 numbers to make 10.

1.

1	8	7
4	2	6

2.

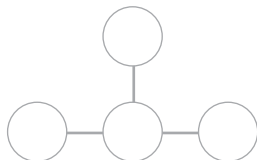
3	4	7
5	8	2

Tuesday

1. Find 3 pairs that add up to 12. Use the numbers once. 9, 5, 4, 7, 8, 3

_____ + _____, _____ + _____
 _____ + _____

2. Use 4, 2, 5, 7 to make 11 across and down.



Wednesday

1. Abbey's birthday is in March. Tabby's birthday is 3 months later.

What month is Tabby's birthday in?

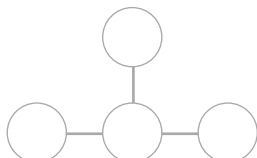


2. A bowl had 12 apples. Later there were 7 apples. How many apples were taken?

Thursday

1. The athletics carnival is held in September. The training started 3 months before. What month did training start?

2. Use 4, 3, 5 and 9 to make 12 across and down.



FRIDAY REVIEW

1 = \$ _____

2 $17 + 5 =$ _____

3 $21 - 4 =$ _____

4 Write the number between:

(a) 199 and 201.

(b) 999 and 1001.



Share the money evenly between your mum and dad.

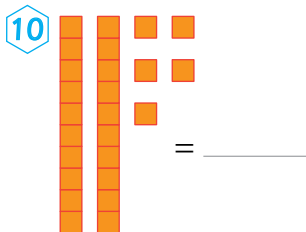
_____ each

6 20, 18, _____, 14, 12

7 $59 - 9 =$ _____

8 $28 + 10 =$ _____

9 How many make up ?



11 Write *two hundred and twelve* as a numeral.

12 $8 \times 10 =$ _____

13 100, _____, 50, 25, 0

14 In Wednesday's calendar, what date is the first Monday in March?

15 $4 \div 2 =$ _____



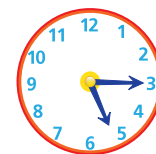
Which shape is a:

square? _____

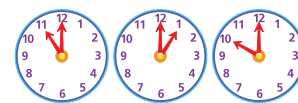
pentagon? _____

17 How many days are in one week?

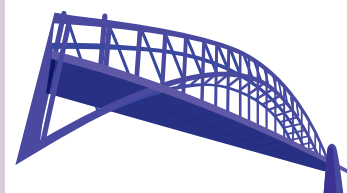
18 _____ or quarter past _____



19 A left your school at 8 o'clock. After travelling for 2 hours, it stopped. Which town is it in?



Yass Moe Uki




20 The width of Sydney Harbour Bridge is:

49 km. 49 m.
 49 cm. 49 mm.

MONDAY

TUESDAY

1. 

2. (a) $300 + 70 + 1 =$ _____
 (b) $800 + 4 + 60 =$ _____

3. $87 - 7 =$ _____

4. _____ o'clock

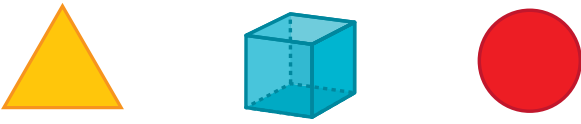


5. $160 + 10 =$ _____

6. Colour the place value of 10.

1	1	1
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7. How many corners does a cube have?

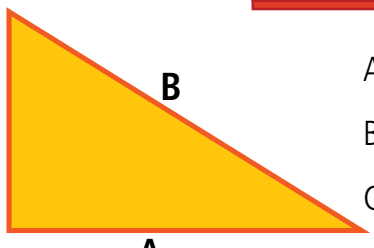
8. 
A **B** **C**

Which object is 3D? _____

9. $2 \times 7 = 7 + 7 =$ _____

10. Measure each side of this triangle.
Reminder: With your ruler, start at 0 or the mark before 1 (not on 1)!





A = _____ cm
 B = _____ cm
 C = _____ cm

11. 1, 4, 7, 10, _____, 16

12. $8 - 3 - 1 =$ _____

13. $4 + 4 + 2 =$ _____

14. $2 + 10 =$ _____

15. Colour-code the answers.



1. _____ or
 half past _____



2. $17 + 3 =$ _____

3. $13 + 7 =$ _____

4. Does dusk happen at sunrise or sunset?

5. $100 - 7 =$ _____

6. Find and colour the odd numbers.

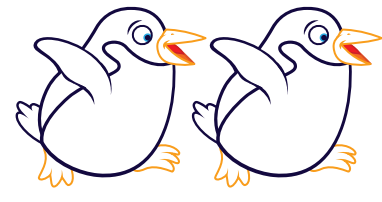
6	9	4	10
3	8	5	30

7. Match the value of 84.

- 8 tens, 4 tens 8 ones, 10 tens
 8 tens, 4 ones 8 tens, 10 tens

8. Is midnight when it is dark or it is light?
 Tick ✓.
 dark light

9. Colour the penguin on the left.



10. This shape is a:

- hexagon.
 pentagon.
 octagon.



11. 1, 5, 9, 13, _____, 21

12. $7 - 1 - 3 =$ _____

13. Colour-code the answers.



14. $8 + 1 +$ _____ $= 12$

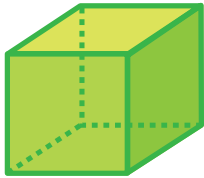
15. $11 - 2 =$ _____

MY SCORE 

MY SCORE 

WEDNESDAY

1. This cube needs painting.
How many faces are there to paint?



2. (a) $4 + 6 =$ _____

(b) $10 + 10 =$ _____

3. $14 + 16 =$ _____

4. Does dawn happen at sunrise or sunset?

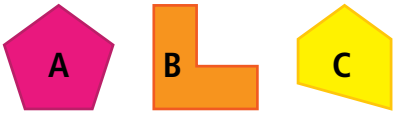
5. 120, _____, 118, 117, 116, _____

6. Share the money equally between you and a friend.



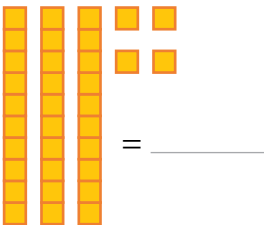
_____ each

7.



Which shape is not a pentagon? _____

8.



$=$ _____

9. How many more blocks are needed to make 40?

10. _____ or

half past _____



11. 1, 6, 11, 16, _____, 26

12. $9 - 2 - 4 =$ _____

13. $7 + 10 =$ _____

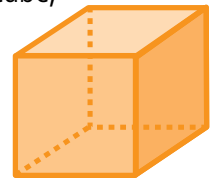
14. $3 \times 5 =$ _____

15. $11 - 3 =$ _____

THURSDAY

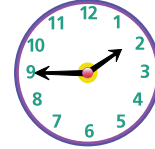
1. You are given straws to make a cube, how many would you need?

Hint: The straws would be used to make the edges.



2. _____ or

quarter to _____



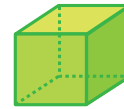
3. What month is it?

4. The last month was? _____

5. Record the 3D objects.



A



B



C

square _____ cylinder _____ cube _____

triangle _____ pyramid _____

6. $0 + 100 =$ _____

7. $100 - 0 =$ _____

8. Colour every fourth number.

1	2	3	4	5	6	7	8	9	10	11	12
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9. $8 \div 2 =$ _____

10. How many  make up:

(a) \$40? _____ (b) \$100? _____

11. $200 + 80 + 6 =$ _____

12. 1000, 900, 800, _____

13. 1, 5, 9, 13, _____

14. Rotate to landscape orientation. Colour the correct arrow.



$\frac{1}{4}$ turn

$\frac{1}{4}$ turn

$\frac{1}{2}$ turn

15.   $=$ _____



PROBLEM-SOLVING

Monday

- A music class had a delivery of 10 new 4-string ukuleles.
How many strings are there in total?

- Music room A had 8 recorders and music room B had 4 more recorders than room A.
How many recorders in total? _____

Tuesday





A bike shop owner cleaned what number of wheels for:



- 8 bicycles? _____
- 6 bicycles and 10 unicycles? _____

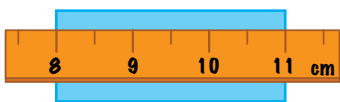
Wednesday

How much money altogether?

- Ethan had 3  coins in one hand and 4  coins in the other. _____
- Jess had 4  coins in one hand and 5  coins in the other.

Thursday

- What is the length of the rectangle?
_____ cm



- Stella joined 4 of the above rectangles like this.



What is the total length? _____ cm

FRIDAY REVIEW

1 $500 + 200 =$ _____

2 $10, 30, 50, 70,$ _____



(a) Count  = _____

(b) _____ $\div 3$

= _____

(c) $12 \div 4 =$ _____

4 $100 - 6 =$ _____

5 $30 + 60 =$ _____

6 $250 - 100 =$ _____



Share evenly between 2 people.

_____ each

8 $8 \div 1 =$ _____

9 $3 \times 6 = 6 + 6 + 6$

= _____

10 Write the number between.

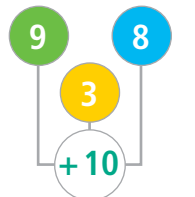
909, _____, 911

479, _____, 481

11 $270 + 10 = 280$

$370 + 10 =$ _____

12 Colour-code the answers.



= 18 13 19

13 $97 =$ _____ tens

and _____ ones

14 Colour the odd numbers

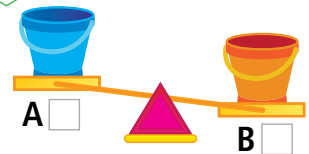
7	4	10	5
---	---	----	---

15 _____ or

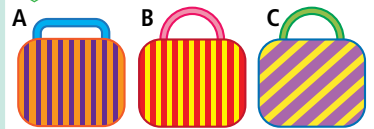
quarter to



16 Tick the heavier bucket.



17 Match the baskets.



(i) Einin had stripes but not horizontal or vertical.

(ii) Jess had vertical stripes.

(iii) Vina had vertical stripes and a curved handle.

Einin _____

Jess _____

Vina _____

18 Sydney Harbour Bridge is:

1149 km 1149 m

1149 cm 1149 mm

in length.



19 Draw a pentagon



20 cylinder _____



cube _____

