

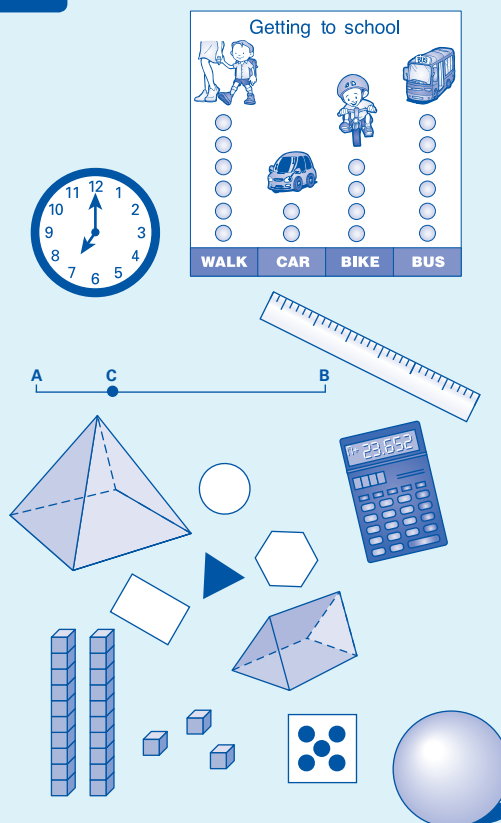
FOREWORD

New wave mental maths is a series of student workbooks, written to provide a comprehensive and structured daily mental maths program for students in Australian primary schools.

It has been revised to incorporate the requirements of the Australian maths curriculum and is designed to:

- encourage and develop students' mental calculation concepts and skills
- develop and reinforce students' problem-solving strategies
- develop and maintain students' speed of recall
- introduce students to, and help them practise and understand, a range of mathematics vocabulary.

Assessment activities are provided for students to assess, monitor and record their own performance on a weekly basis. A separate teachers manual is available, that accompanies the **New wave mental maths** series. This manual contains guidelines to help develop mental strategies, suggestions for classroom use, assessment tools, a list of the concepts developed and answers.

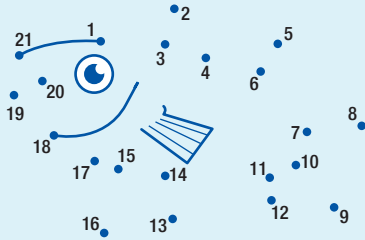


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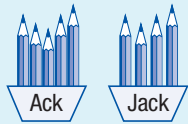
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MONDAY

1. Join the dots.



2. Who has more pencils?



3. In total, how many ?

4. Take 1 away from Jack and give it to Ack.

Ack now has pencils.

5. $5 + 1 =$

6. $4 - 1 =$

7. How many ?



8. Colour every second .

9. How many are coloured?

10. Order these numbers from the lowest to the highest.

3 4 2 1

MY SCORE

TUESDAY

1. Tick the widest spaceship.



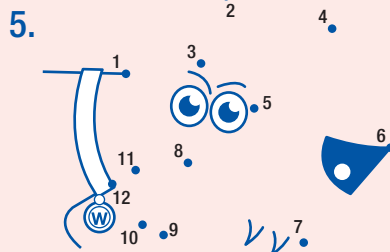
A B C

2. About how many of your hands will cover this page?

Check it.

3. 1, 2, 3, , 5, 6,
8, 9, 10

4. 10, 9, 8, , 6, ,
4, 3, 2,



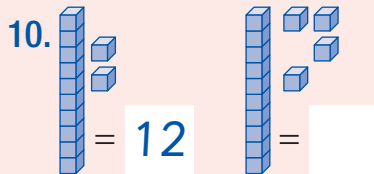
6. Order these numbers from low to high.

3 5 1 4 2

7. Is 8 before 7 or is 8 after 7?

8. $7 + 1 =$

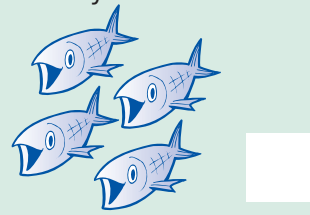
9. How many ?



MY SCORE

WEDNESDAY

1. How many?



2. How many?



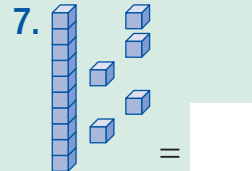
3. How many altogether?

4. About how many times will your nose fit across the page?

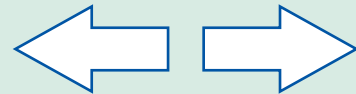
Check it.

5. $4 + 1 =$

6. $5 - 1 =$



8. Colour the left arrow.



9. Write seven.

10. Fill in the missing number.

10	11	12
20	21	<input type="text"/>
30	31	32

MY SCORE

MONDAY

1.

2. Which number is closer to 20? 16 13 18

3.

Circle 10, count back 4.

Write the number sentence.

- =

4. $5 + 6 =$

5. o'clock

or :00



6. Which month May is after March? April

7. Shade the new position.

From , go right

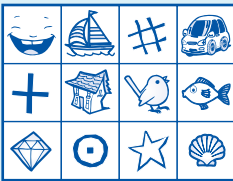
2 spots,

down 2

spots

then left

2 spots.



8. Colour any coins to make 45c.



9.

	Hundreds	Tens	Ones
a	1	5	5
b	2	2	8

(a) + 50 + 5 = 155

(b) + + 8 =

10. The is heavier than the and the is heavier than the . Write the order.

MY SCORE

TUESDAY

1. o'clock

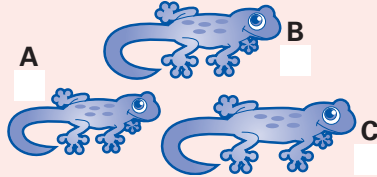
or :00



2. Colour the penguin on the left.



3. Tick the shortest gecko.



4. $10 + 6 =$

5. The is heavier than the and the is heavier than the . Write the order.

6. Shade the new position.

From , go left

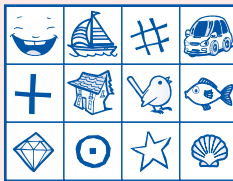
2 spots,

up 1

spot,

right 3

spots.



7. Share between yourself and a friend. c each

8. $38 = 30 + 8$, so

$72 =$ +

9. Estimate the number of hands that can cover your desk.



10. = c

MY SCORE

WEDNESDAY

1. Write *thirteen*.

2. Which month August is after July? June

3. $8 + 3 =$

4. The number family (+ -)

$(11) - (3) = (8)$, so

$(11) - (8) =$

5. The is lighter than the and the is lighter than the . Write in order.

6. $43 = 40 + 3$, so

$85 =$ +

7. Shade the new position.

From , go right 2

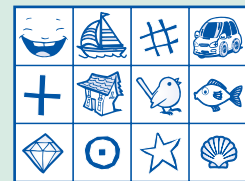
spots,

go up

1 spot,

left 3

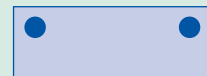
spots.



8. 50, 49, 48, 47,

9. Shade the highest number.

10. Fill in the ten frame.



How many dots were missing?

MY SCORE

THURSDAY

Week 19

1. Draw to show a $\frac{1}{2}$ turn clockwise.



2. $5 + 5 + 5 =$

3. Draw hands to show 4 o'clock.



4. Tick the fourth name on the list.

Alicia Chantelle
 Bronte Alex

5. Match the value.

36 or 63?

6 ones + 3 tens =

6. Luke kicked 1 goal and 4 points. He had 11 kicks in total. How many kicks did not score?

7. $200 + 100 =$

8. $19 - 10 =$

9. $29 - 20 =$

10. If $4 + 6 = 10$, then

$4 + 7 =$

11. If $10 - 3 = 7$, then

$10 - 4 =$

12. Circle lighter or heavier to make the sentence true.

red blue green
lightest heaviest

The BLUE is *lighter/ heavier* than the RED.

The GREEN is *lighter/ heavier* than the BLUE.

13. $10 + 3 =$

14. $100 + 10 + 4 =$

15. Which box has the greater worth?

A	B

MY SCORE

FRIDAY

1. $100 + 30 + 7 =$

2. Write *one hundred and seventeen*.

3. 9, 7, 5, , 1

4. $2 \times 9 = 9 + 9 =$

5. Match the value. 92 or 29?

Two tens and nine ones.

6. Draw hands to show 1.30.

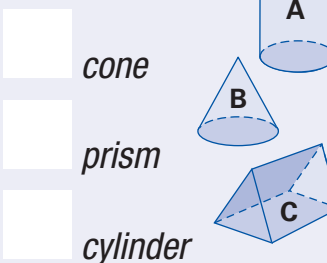


7. $400 + 400 =$

8. Find and shade 7 tens



9. Label the 3-D shapes.



cone

prism

cylinder

10. $49 - 40 =$

11. 20, 40, 60, , 100

12. Which season is before summer?



winter

autumn spring

13. $4 + 9 = 13$

$3 + 9 =$

14. $2 + 9 =$

15. $1 + 9 =$



Can you see a pattern?

MY SCORE

THURSDAY

week 29

1.	$120 + 100 =$	220
	$220 + 100 =$	320
	$320 + 100 =$	

2. Put a tick or cross .

- A *triangle* **A**
 B *cube* **B**
 C *circle* **C**
 D *hexagon* **D**

3. $5 \times 10 = 50$, so

$4 \times 10 =$


4. $7 + 5 =$

5. Circle the odd number.

9 10 8 4

6. $10 \times 0 =$

7. If the teacher had 17 jellybeans and she passed out 9, how many would she have left?

8. Count Total
 \$.

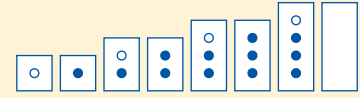
9. $200 + 300 =$

10. What is the chance of you running faster than your teacher?

- possible*
impossible
certain


11. $9 - 5 =$

12. Finish the pattern.



13. Would it take you less than or more than ten minutes to walk home from school?


14. $24 - 4 =$

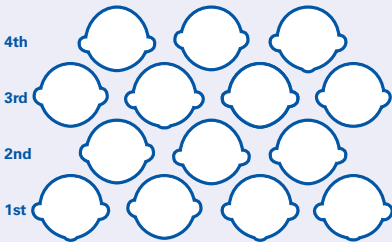
15. This bucket holds: 

- 10 loaves
 10 lighthouses
 10 litres
 10 lunches

MY SCORE

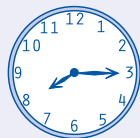
FRIDAY

Draw  at these positions.



1. Back row, second from the left.
2. Second row, first from the right.
3. Front row, third from the left.
4. Third row, fourth from the right.

5. :




6. Flip and draw.



7. $10 - 7 =$



8. $9 \times 10 =$

9. $\$1 + 50c =$

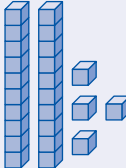
10. If 10 jellybeans cost \$1, how many jellybeans for \$4? 


11. 19, 29, 39, 49,

12. $30 + 60 =$

13. Your friend has \$1.20 of  and you have \$1.50 of .

How many coins altogether?

14.  How many more to make 30?
 $24 +$ $= 30$

15. Who can afford the ice-cream? 



MY SCORE

THURSDAY

1. Draw two more coins to make \$1



2. Which is wider?
 the classroom door
 your desk
 they are the same

3. $8 + 2 =$,
 $80 + 20 =$,
 $800 + 200 =$

4. $14 + 9 =$

5. $20 - 4 =$

6. Double and =

SEPTEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	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				

7. How many Wednesdays are there?

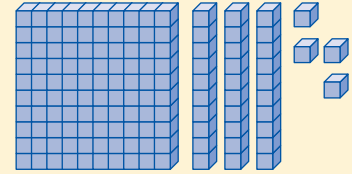
8. The tenth day is

9. What date is the fourth Monday?

10. $4 + 7 =$,
 $40 + 70 =$,
 $400 + 700 =$

11. If you have \$1.20 in coins and \$2.40 in coins, how many coins in total will you have?

12. What is the value?



431 134 314 107

13. Write *two hundred and twelve*.

14. 1000, 900, 800,

15. 84, 94, , 114, 124

MY SCORE

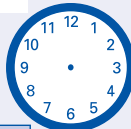
week 36

FRIDAY



1. How far is it between Brisbane and Cairns? Use the number line to help.

2. Draw hands to show 8.45.







3. How many notes make up \$10?

4. How many notes make up \$20?

5. How many notes make up \$50?

6. $8 + 8 =$

7. $9 + 1 =$,
 $90 + 10 =$,
 $900 + 100 =$


8. If a  arrived later than a  and a  arrived earlier than the . Order the boat arrivals.



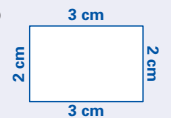
9. If you have 12 coins and 14 coins, what is the total amount?
 \$

10. $65 - 5 =$

11. $2 \times 6 =$

12. If a bus is 3  lengths, how many car lengths would 4 buses be?

13. What is the perimeter of this shape?



14. What is the chance of you wearing brown shoes this week?
 certain
 possible
 impossible

15. Flip and draw.



MY SCORE