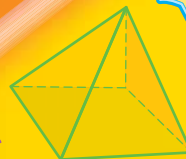
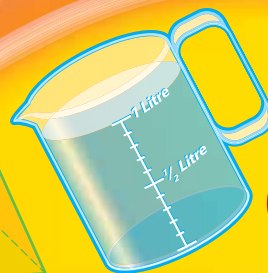
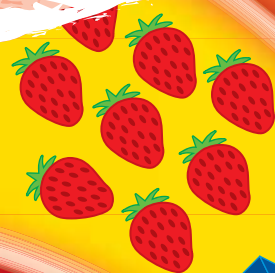


New wave mental maths



Trial booklet

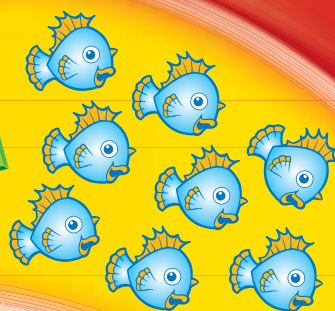


$$2 + \square = 6$$



Student's name: _____

Odds



New wave mental maths is a series of six student workbooks written for Australian primary schools.

Comprehensively revised in 2011 to take into account the requirements of the new national curriculum, *New wave mental maths* provides an ideal platform for the development of mental skills and mathematical concepts.

New wave mental maths provides:

- comprehensive coverage of mental mathematics concepts
- opportunities for consolidation of mathematical concepts
- practice in speed of recall
- opportunities for reinforcement of ongoing mathematical concepts
- sequential development of mathematical concepts
- a structured daily program for the whole year
- pictorial, graphic and written representation of problems
- an in-built review and assessment program (levels D–G).

Each level provides coverage of all mathematical strands applicable to mental mathematics activities.

A teachers manual, to accompany the *New wave mental maths* workbook, is also available. This contains suggestions to help develop mental strategies, a list of concepts covered, assessment and answers.

Books available in this series

New wave mental maths	Book B	RIC-1701	978-1-921750-00-7
New wave mental maths	Book C	RIC-1702	978-1-921750-01-4
New wave mental maths	Book D	RIC-1703	978-1-921750-02-1
New wave mental maths	Book E	RIC-1704	978-1-921750-03-8
New wave mental maths	Book F	RIC-1705	978-1-921750-04-5
New wave mental maths	Book G	RIC-1706	978-1-921750-05-2
New wave mental maths	Teachers guide	RIC-1707	978-1-921750-06-9

Australian School Age Levels

	A	B	C	D	E	F	G
AGES	5–6	6–7	7–8	8–9	9–10	10–11	11–12



Revised 2011

R.I.C. Publications®
PO Box 332, Greenwood
Western Australia 6924
Tel: (08) 9240 9888 **Fax:** (08) 9240 1513
Email: mail@ricgroup.com.au
International Tel: +61 8 9240 9888
International Fax: +61 8 9240 1513

Copyright Information

No part of this publication may be reproduced in any form or by any means, electronic or mechanical, including photocopying or recording, or by any information storage and retrieval system, without written permission from the publisher.

STUDENT RECORD SHEET

Date	WEEK 1	Date	WEEK 2	Date	WEEK 3	Date	WEEK 4	Date	WEEK 5	Date	WEEK 6	Date	WEEK 7	Date	WEEK 8	Date	WEEK 9	Date	WEEK 10
M		M		M		M		M		M		M		M		M		M	
Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.	
W		W		W		W		W		W		W		W		W		W	
Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.	
F		F		F		F		F		F		F		F		F		F	

Date	WEEK 11	Date	WEEK 12	Date	WEEK 13	Date	WEEK 14	Date	WEEK 15	Date	WEEK 16	Date	WEEK 17	Date	WEEK 18	Date	WEEK 19	Date	WEEK 20
M		M		M		M		M		M		M		M		M		M	
Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.		Tu.	
W		W		W		W		W		W		W		W		W		W	
Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.		Th.	
F		F		F		F		F		F		F		F		F		F	

MONDAY

1. Draw to show two turns anticlockwise.

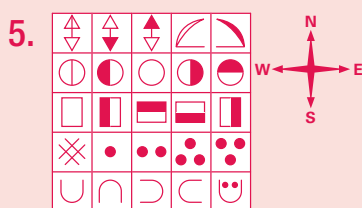


2. $300 - 10 =$



4. $27 + 36$

+ =



Start at go west 3, east 2, south 2, west 2, north 4, east 3 and south 4. What position now?

6. $130 - 30 =$

7. $10 \times 4 =$

8. Write *one thousand and ten* as a numeral.

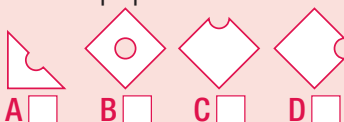
9. 1. Fold paper



2. Cut on dots



3. The paper unfolds as:



10. Write the number between 1009 and 1011.

MY SCORE

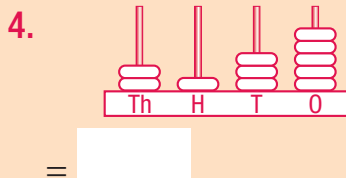
TUESDAY

1. or
- 5 past



2. $200 - 10 =$

3. Draw to show two turns anticlockwise.



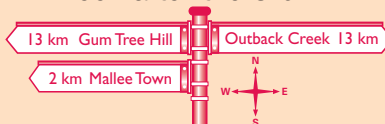
APRIL

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			

5. How many days are in April?

6. What day is the 28th?

7. What date is one week after the 3rd?



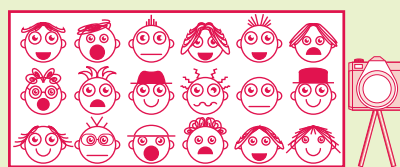
8. From the sign, head west. What town will you arrive at first?

9. What is the distance between Gum Tree Hill and Mallee Town?

10. What is the distance between Outback Creek and Gumtree Hill?

MY SCORE

WEDNESDAY



Shade the following faces.

- Top row, third from the left
- Middle row, second from the right
- Front row, first from the left
- Order the racehorses.

Horse **3** crossed the line after **8**.

7 crossed the line before **8**, but **6** crossed after **3**.



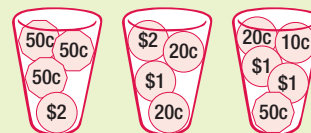
1st 2nd
3rd 4th

5. $10 \times 6 =$
6. 3 hundreds, 0 tens and 8 ones =

7. $600 + 500 =$

8. $500 - 10 =$

9. Which contains the greatest amount of money?



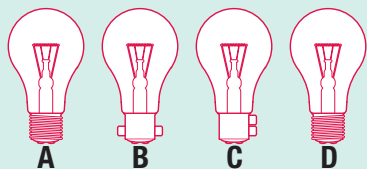
A ☐ B ☐ C ☐

10. or 5 past



MY SCORE

THURSDAY



1. Which light globe will fit into this socket?



2. Draw to show three turns anticlockwise.



3. $14 - 4 =$

4.

5. $3 \times 8 =$



6. Classify these 2-D shapes.



Straight lines	Curved lines
<input type="text"/>	<input type="text"/>

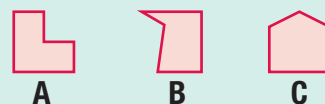
7. 4 hundreds, 6 tens and 2 ones =

8. Write the number between 1019 and 1021.

9. $20 \div 4 =$

10. $72 + 10 =$

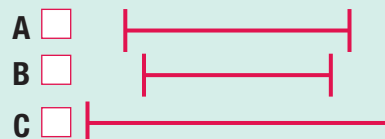
11. $400 - 10 =$



12. Which shape is not a pentagon?

13. How many 20c make up \$2?

14. Find the line that measures 3 cm.



15. $35 + 35$

+ + +

= + =

MY SCORE

FRIDAY



Shade the following faces.

1. Front row, second from the right

2. Top row, third from the right

3. Middle row, second from the left

4. What position is ?

5. What position is ?

6. How many 20c coins make up \$1?

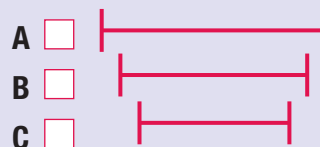
7. Using the number family (+ -), write a number sentence with 20, 12 and 8.
-

8. $10 \times 8 =$

9. 5 hundreds, 4 tens and 3 ones =

10. How many 50c coins make up \$2?

11. Find the line that measures 2 cm.



12. $200 - 10 =$

13. $14 + 47 =$

14. $3 \times 9 =$

15. Fill in the missing numbers.

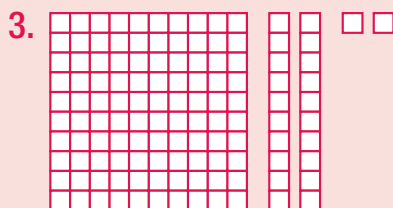
181	182	183	184
<input type="text"/>	<input type="text"/>	193	<input type="text"/>
<input type="text"/>	202	<input type="text"/>	<input type="text"/>
211	212	213	<input type="text"/>

MY SCORE

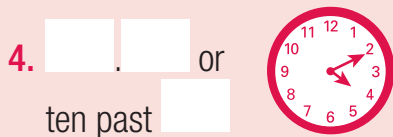
MONDAY



2. $13 - 5 =$



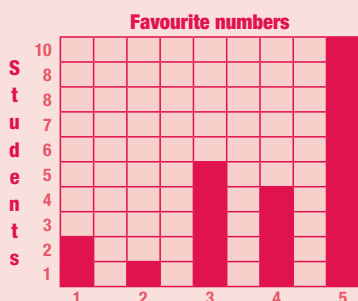
How many more to make 130?



Squares =
Perimeter = units

6. $40 + 80 =$

7. $20 \div 2 =$



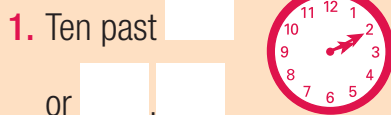
8. Which number is most popular?

9. How many students had three as their favourite?

10. How many students chose four?

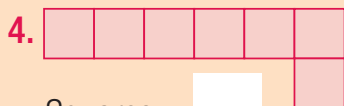
MY SCORE

TUESDAY



2. How many faces does this prism have?

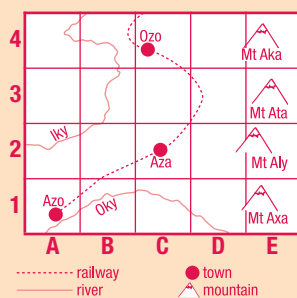
3. How many corners on this prism?



Squares =
Perimeter = units

5. $120 - 50 =$

6. A left your school at It stopped after five hours. Which town is it in?



7. Name the rivers.

8. Name the town at the end of the railway.

9. The grid reference for Ozo is .

10. Mt Aka is at: ☐ C2 ☐ B3
☐ E3 ☐ E4

MY SCORE

WEDNESDAY

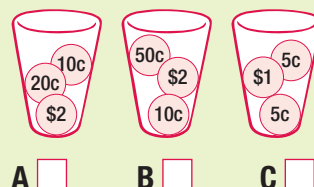
1. Draw one line of symmetry on this shape.

2. $20 + 300 + 7 =$

3. Squares =
Perimeter = units

4. $140 - 50 =$

5. Which contains the least amount of money?



$A = C + C$
 $B = \text{half of } C$

How many extra would you need to balance the seesaw?

7. Which expression is the greatest in value?

A ☐ 4×4
B ☐ 2×9
C ☐ $30 \div 3$
D ☐ $25 - 10$

8. $900 - 50 =$

9. $3 \times 6 = 18$

10. $400 + 700 =$

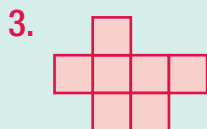
MY SCORE

THURSDAY

1. Draw to show two turns clockwise.



2.



Squares =

Perimeter = units

4. 3 3 = 1

5. 1000, , 1200, 1300

6. 850, 900, 950, , 1050



7. $38 + 6 = \text{$

8. $500 + 7 = \text{$

9. Which expression is lowest in value?

A ☐ $9 + 7$

B ☐ $60 \div 6$

C ☐ $25 - 16$

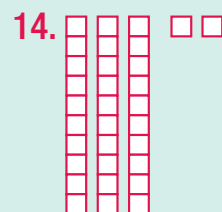
D ☐ $21 \div 3$

10. If 10 tens = 100 and 100 tens = 1000, then 20 tens = and 200 tens = .

11. \$2 50c 20c 20c 20c
= \$.

12. 10 7 = 70

13. 4 hundreds, 0 tens and 5 ones =



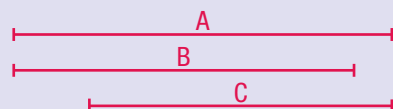
How many more to make 50?

15. $60 + 70 = \text{$

MY SCORE

FRIDAY

1. Tick the line that measures 5 cm.



☐ A ☐ B ☐ C

2. Which is lighter: 1 kg of rocks; or 1 kg of marshmallows?

3. 1000, , 1100, 1150, 1200,

4. $48 + 6 = \text{$

5. $3 \times 4 = \text{$

6. or ten past



7. ☐ ☐ ☐ ☐ ☐

8. Which expression is the greatest in value?

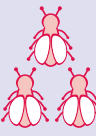
A ☐ $90 - 12$

B ☐ $70 + 12$

C ☐ $1000 - 20$

D ☐ $60 + 30$

9. $900 - 9 = \text{$

10. If there were four more groups of  bugs, what would be the total number?

11. $99 + 2 = \text{$

12. ☐ A (4, 1) ☐ B (9, 10)
☐ C (10, 8) ☐ D (6, 3)

Which set has two even numbers?

13. Using the number family (+ -), write a number sentence with 40, 60, 100.

14. 8 2 = 6

15. 8 2 = 4


MY SCORE

MONDAY

1. Draw a mirror image.

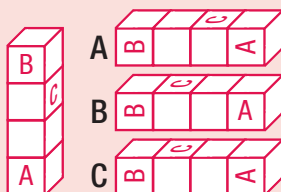


2. $110 \square 30 = 80$

3. A pack of  costs \$1.20. What is the cost of three packs?

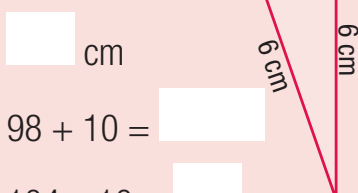
$$\begin{array}{r} \square + \square + \square \\ \hline \square = \square \end{array}$$

4. Which block matches?



A ☐ B ☐ C ☐

5. What is the perimeter?



6. $98 + 10 = \square$

7. $104 - 10 = \square$

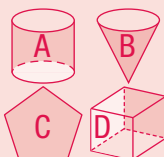
8. What is the chance of spinning an E?



A ☐ 2 in 8 B ☐ 4 in 8
C ☐ 1 in 8 D ☐ 2 in 4
E ☐ 8 in 2

9. 8 hundreds and 7 tens = \square

10. Which shape is not 3-D?



MY SCORE

TUESDAY

1. $\square \square$



2. Name the month before January.

3. $\$1 \quad \$2 \quad \$5 \quad \2
 $= \square$

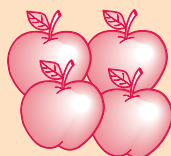
4. 21, 18, \square , 12, 9

5. $89 - 9 = \square$

6. $8 \square 4 = 2$

7. $190 + 10 = \square$
 $290 + 10 = 300$
 $390 + 10 = 400$

8. A bag of four apples costs \$2. How many apples for \$4?



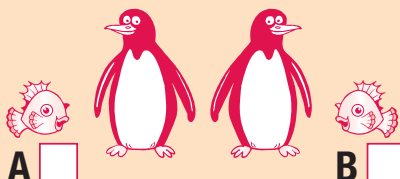
- 9.



Shape A is a \square and \square

B is a \square .

10. Which fish is facing the penguin on the right?



MY SCORE

WEDNESDAY

1. Name the last month.

2. How many $\$2$ make up $\$50$? \square

3. Turn this picture upright by shading the correct arrow.



A



B



C

1 turn 1 turn 2 turns

4. 110, 150, 190, \square

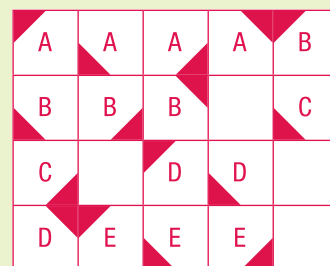
5. 150, \square , 140, 135, 130

6. How many 50c make $\$5$? \square

7. This is a \square .



8. $4 \square 4 = 16$



9. Fill in the missing boxes to continue the pattern.

10. $\square \square$



MY SCORE

THURSDAY

1. How many months in half a year?

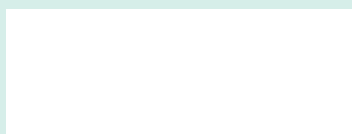
2. Is 12 greater than the sum of $5 + 6$? Tick.

☐ yes ☐ no

3.



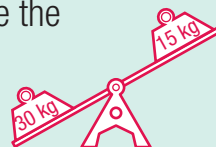
4. Draw what one of the parts would look like if you cut a circle into 4 equal parts.



5. A bag of 3 apples costs \$2. How many apples for \$10?

6. $3 \times 6 = 6 + 6 + 6 =$

7. What weight is needed to balance the seesaw?



8. $9 \times \text{ } 1 = 9$

9. How many \$2 make up

\$20?

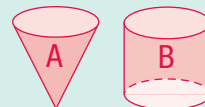
10. $40 + 90 =$

11. $800 - 8 =$

12. Using the number family (+ -) write a two-number sentence with 9, 7 and 16.

+ =
 - =

13.



Shape A is a
 and B is a .

14. $109 + 2 =$

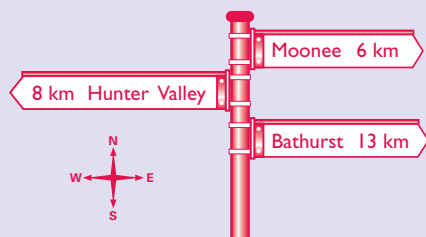
15. If double 17 = $(10 + 7) + (10 + 7) = 20 + 14 = 34$, then double 19 =

MY SCORE

FRIDAY

1. Will a cube roll as well as a sphere?

☐ yes ☐ no



2. How far is it from Moonee to Bathurst?

3. How far is it from Hunter Valley to Moonee?

4. How far is it from Bathurst to the Hunter Valley?

5. $5 \times 0 =$



7. Is 10 greater than $5 + 6$?

8. Draw to show 3 turns clockwise.

P



9. $107 - 10 =$

10. $96 + 10 =$

11. $5 \times \text{ } 4 = 20$

12. $500 + 800 =$

13. What time is noon?

☐ am ☐ pm

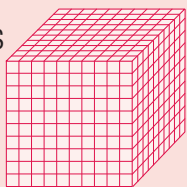
14. $90 - 30 =$

15. $90 - 35 =$

MY SCORE

MONDAY

1. This block is 1000 units. There are 10 of 100 units. If you took away three of the 100 units, the total =



2.



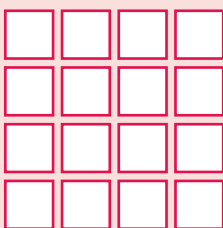
3. Write the numbers into their correct range.

0 – 100	<input type="text"/>	371
101 – 200	<input type="text"/>	412
201 – 300	<input type="text"/>	289
301 – 400	<input type="text"/>	86
401 +	<input type="text"/>	171

4. Halve 24.

5. Double 8 twice.

6. Tick one quarter of the squares.



7. Does $100 + 13$ or $100 + 30 = 130$

8. 1 thousand, 1 hundred, 1 ten, 1 one =

9.

A	B	C	D
A	B	C	D
A	B	C	D

Is **ABCD** a row or a column?

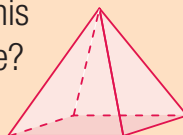
10. $900 + 100 =$

MY SCORE

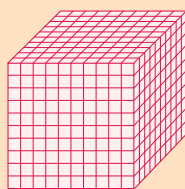
TUESDAY

1.

2. How many faces does this pyramid have?

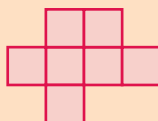


3. If you took away 4×100 , how many $\times 100$ are left over?



4. Squares

=



Perimeter = units

5. $12 \div 3 =$

6. Tick the line that measures 4 cm.

☐ A ☐ B ☐ C



7. $120 - 30 =$

8.

398	399	<input type="text"/>	401
408	409	<input type="text"/>	411

Fill in the missing numbers.

9. **20c** **20c** **20c** **\$1**

Can you share the above coins evenly between you and a friend?

10. From a bank of:

50c **50c** **\$1** **\$1** **10c** **10c**

share evenly the amount between these two girls.



Olivia

Alicia



MY SCORE

WEDNESDAY

1. How many faces does this pyramid have?



2. **MAY**

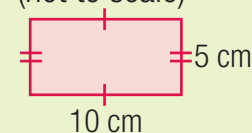
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

What date is the first Monday in May?

3. What day is the eighth?

4. What day is the seventeenth?

5. What is the perimeter? (not to scale)



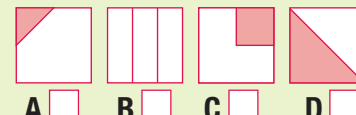
P =

6. $12 \div 4 =$

7. $6 \times 6 = 12$

8. $6 \times 6 = 1$

9. Which shape is shaded as one-half?



A ☐ B ☐ C ☐ D ☐

10.



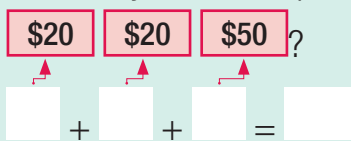
MY SCORE

THURSDAY

1. Draw to show three turns clockwise.



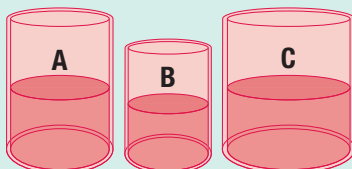
2. How many \$5 make up



- 3.



4. Which container holds more?



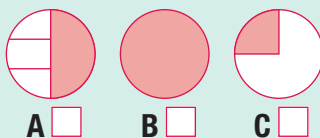
5. $4 \times 10 =$ []

6. $121 - 10 =$ []

7. $99 + 7 =$ []

8. Write the number between 299 and 301.
[]

9. Which shape is shaded as one-quarter?



10. Which number is closest to 1013?

1001 *1010* *1000*
A [] B [] C []

11. $900 - 50 =$ []

12. Using the digits 2, 1, 6 and 3, write the largest number possible.
[]

13. $25 + 28 =$ []

14. $6 \times [] = 2$

15. $60 + 90 =$ []

MY SCORE

FRIDAY

1. A left Adelaide at and arrived at Mt Gambier at . How many hours long was the trip?

2. $180 - 10 =$ []

3. Write the number between 999 and 1001.
[]

- 4.



5. Is $9 + 9$ greater than 17?

☐ yes ☐ no

6. A coconut costs \$3.50. How much would two coconuts cost? Write a number sentence.

$\$ [] + \$ [] = []$

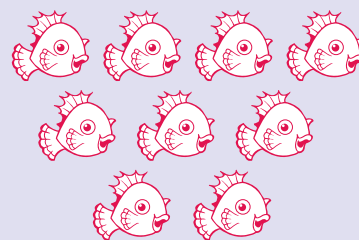
7. $700 + 11 =$ []

8. $5 \times 4 =$ []

9. $15 \div 3 =$ []

10. What is the month before January?
[]

11. Colour one-third of the .



12. $3 + [] = 20$

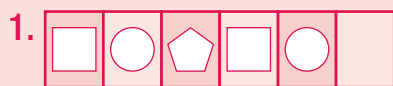
13. $12 - [] = 7$

14. $1010 = 1000 + []$

15. $110 = 100 + []$

MY SCORE

MONDAY



2. What number is one before 200?

3. Draw hands to show 3.10.

4. Write the number between 449 and 451.

5. What is the chance of the arrow landing on red?

- A ☐ 1 in 2 B ☐ 2 in 1
C ☐ 1 in 3 D ☐ 2 in 3

6. If $4 \times 6 = 24$ and $24 \div 4 = 6$, then $3 \times 8 = 24$, and $24 \div \text{ } = 8$.

7. Using the number family ($\times \div$), write a division number sentence using 3, 9 and 27.

\div =

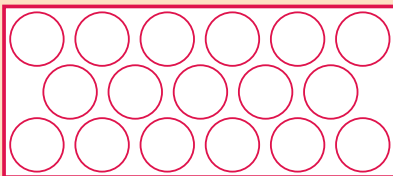
8. $400 + 700 = \text{ } \text{ }$

9. Flip **E** \rightarrow

10. If you have four **20c** coins, three **10c** coins and four **5c** coins, how much do you have altogether?
\$

MY SCORE

TUESDAY



Draw a at these positions.

- Back row 4th from the left
- Middle row, 2nd from the right
- Front row, 1st from the left.
- Shade one-quarter of these cakes.



5. Draw hands to show 5.05.

6. Using the number family ($+$ \div), write a multiplication number sentence using 4, 7 and 28.

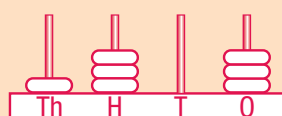
\times =

7. Take 6 slices of 100 away. What number do you have left over?

8. $12 \div 2 = \text{ } \text{ }$

9. If you had 3 **20c** coins, 5 **10c** coins and 3 **5c** coins, how much would you have altogether?
\$

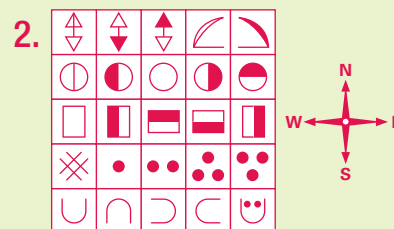
10. Write the amount shown as a number.



MY SCORE

WEDNESDAY

1. Draw the other 2 lines of symmetry.



From go north 2, west 4, north 1, east 3, south 3, what is your position?

3. What is the number before 900?

4. 0, 6, 4, 10, 8, 14, 12, .
The pattern rule is $+$, then $-$.

5. What is the difference between Myaree and Fremantle?
 km

6. $90 + 50 = \text{ } \text{ }$

7. $300 + \text{ } \text{ } = 1000$

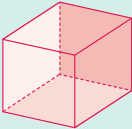

8. If you had 1 **\$2**, 3 **\$1**, 2 **50c** and 2 **20c** coins, how much do you have altogether?
\$

9. How many seconds in a minute?

10. Draw hands to show 4.10.


MY SCORE

THURSDAY

- How many corners? 
- Draw to show 3 turns clockwise. **C** →
- Draw hands to show 7.05. 
- Which month has less than 30 days each year?
- What number is one after 799?
- $500 + 500 =$
- $4 +$ $= 13$


- Which line is not 5 cm long?
A ☐ B ☐ C ☐ D ☐

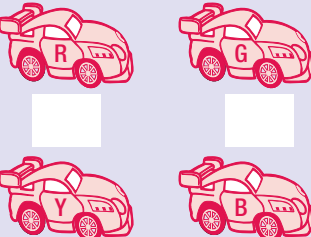
- Is 10×0 greater than the sum of $10 + 0$?
☐ yes ☐ no
- $11 -$ $= 4$

- 0, 5, 3, 8, 6, 11, 9,
The pattern rule is + ,
then - .
- $35 + 45 =$
- Order the buses. A red bus is longer than a blue bus, and a green bus is longer than a red bus.

- $600 - 50 =$
- Write *one thousand and twenty* as a numeral.

MY SCORE

FRIDAY

- Draw a mirror image.

- $9 \times 100 =$
- 5:30**
Half past
- What is the number between 1049 and 1051?
- Write a division number sentence with 3, 4 and 12
 \div $=$

- Order the race cars. Red crossed the finishing line before green. Green crossed before blue and yellow beat green but not red.

- $9 + 7 =$
- $31 - 5 =$
- $11 -$ $= 5$

- Double 11.
- Your teacher had 6 **50c** coins. What is the total amount?
- Alex bought 5 marbles worth **20c** each. What is the total price?
- $11 -$ $= 8$
- $300 - 20 =$
- $9 \times$ $= 18$

MY SCORE

MATHS FACTS

Number square

This table will help you count to 99.

0	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	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99

Symbols

+ means **add**

- means **subtract**

= means **equal to**

< means **less than**

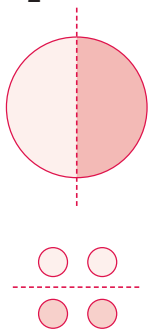
> means **greater than**

Ordinal numbers

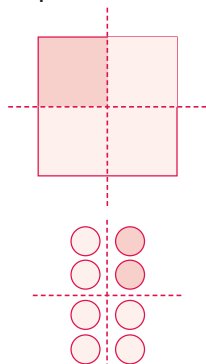
1st	first	6th	sixth
2nd	second	7th	seventh
3rd	third	8th	eighth
4th	fourth	9th	ninth
5th	fifth	10th	tenth

Fractions

$\frac{1}{2}$ = half



$\frac{1}{4}$ = quarter



Odd and even numbers

Odd numbers end in
1, 3, 5, 7 or 9.

1, 3, 5, 7, 9, 11, 13, 15 etc.

Even numbers end in
0, 2, 4, 6 or 8.

0, 2, 4, 6, 8, 10, 12, 14 etc.

WEEK 16

MONDAY

-
- 290
- 9.05 or 5 past 9
- $20 + 7 + 30 + 6 = 50 + 13 = 63$
-
- 100 7. 40
- 1010 9. B
- 1010

TUESDAY

- 6.05 or 5 past 6
- 190
-
- 2135 5. 30
- Monday
- 10th
- Mallee Town
- 11 km
- 26 km

WEDNESDAY

-
-
-
- 1st 7, 3rd 3, 2nd 8, 4th 6
- 60 6. 308
- 1100
- 490
- A
- 5.05 or 5 past 5

THURSDAY

- B
-
- 10
- 11.55
- 24
- | Straight lines | Curved lines |
|----------------|--------------|
| | |
| | |
- 462 8. 1020
- 5 10. 82
- 390 12. A
- 10 14. A
- $30 + 5 + 30 + 5 = 60 + 10 = 70$

FRIDAY

-
-
-
- front row, 3rd from the right
- top row, 1st from the right
- 5
- $8 + 12 = 20$ or $12 + 8 = 20$
- 80 9. 543
- 4 11. C
- 190 13. 61
- 27
- | | | | |
|-----|-----|-----|-----|
| 181 | 182 | 183 | 184 |
| 191 | 192 | 193 | 194 |
| 201 | 202 | 203 | 204 |
| 211 | 212 | 213 | 214 |

WEEK 17

MONDAY

-
- 8 3. 8
- 4.10 or 10 past 4
- 7, 16
- 120
- 10
- 5
- 5
- 4

TUESDAY

- 10 past 2 or 2.10
- 5
- 6
- 7, 16
- 70
- Moora
- Iky and Oky
- Azo
- C4
- E4

WEDNESDAY

-
- 327
- 7, 12
- 90 5. C
- 3
- B
- 850
- x
- 1100

THURSDAY

-
- 7.10
- 7, 14
- \div 5. 1100
- 1000 7. 44
- 507
- D
- 200, 2000
- \$3.10
- x
- 405
- 18
- 130

FRIDAY

- A
- They are the same
- 1050, 1250
- 54
- 12
- 6.10 or ten past 6
-
- C
- 891
- 15
- 101
- C
- $40 + 60 = 100$ or $60 + 40 = 100$
- 15. \div

WEEK 18

MONDAY

-
-
- $1.20 + 1.20 + 1.20 = \$3.60$
- C 5. 14
- 108 7. 94
- A
- 870
- C

TUESDAY

- 4.05
- December
- \$10 4. 15
- 80
- \div
- 200
- 8
- A = pentagon
B = hexagon
- B

WEDNESDAY

- Teacher check
- 25 3. B 1 turn
- 230 5. 145
- 10 7. semicircle
- x
- | | | | | |
|---|---|---|---|---|
| A | A | A | A | B |
| B | B | B | C | C |
| C | C | D | D | D |
| D | E | E | E | E |
- 10.05

THURSDAY

- 6 2. yes
- 12.10
-
- 15
- 18 7. 15 kg
- $x \div$ 9. 10
- 130 11. 792
- $9 + 7 = 16$ or $7 + 9 = 16$, $16 - 7 = 9$ or $16 - 9 = 7$
- B = cylinder A = cone
- 111
- $10 + 9 + 10 + 9 = 20 + 18 = 38$

FRIDAY

- no
- 7 km
- 14 km
- 21 km
- 0
- 12.05
- no
-
- 97
- 106
- x
- 1300
- 12.00 pm
- 60
- 55

WEEK 19

MONDAY

- 7 x 100 units or 700
- 11.10
- | | |
|---------|-----|
| 0-100 | 86 |
| 101-200 | 171 |
| 201-300 | 289 |
| 301-400 | 371 |
| 401+ | 412 |
- 12 5. 32
- 4 squares
- $100 + 30$ 8. 1111
- row 10. 1000

TUESDAY

- 1.05
- 5
- 6
- 7, 14
- 4
- A
- 90
- 400, 410
- no
- \$1.60 each

WEDNESDAY

- 4
- 4th
- Friday
- Sunday
- 30 cm
- 3
- +
- \div
- D
- 12.10

THURSDAY

-
- $4 + 4 + 10 = 18$
- 6.10
- C 5. 40
- 111 7. 106
- 300
- C
- 1010
- 850
- 6321
- 53
- \div
- 150

FRIDAY

- 4
- 170
- 1000
- 7.10
- yes
- $\$3.50 + \$3.50 = \$7$
- 711
- 20
- 5
- December
- 3
- 17
- 5
- 10
- 10

WEEK 20

MONDAY

-
- 199
-
- 450
- C 6. 3
- $27 \div 3 = 9$ 8. 1100 or $27 \div 9 = 3$
-
- \$1.30

TUESDAY

- 3.
-
- 2 cakes
-
- $4 \times 7 = 28$ or $7 \times 4 = 28$
- 400 8. 6
- \$1.25 10. 1303

WEDNESDAY

-
-
- 899
- $18 + 6, -2$
- 5 km
- 140 7. 700
- \$6.40 9. 60
-

THURSDAY

- 8
-
-
- February
- 800
- 1000 7. 9
- C
- no
- 7
- $14 + 5, -2$
- 80
-
- 550
- 1020

FRIDAY

-
- 900
- 5
- 1050
- $12 \div 3 = 4$ or $12 \div 4 = 3$
- 1st red, 2nd yellow, 3rd green, 4th blue
- 16 8. 26
- 6 10. 22
- \$3 12. \$1
- 3 14. 280
- 2

New **full-colour** revised edition

New wave mental maths

New wave mental maths will sit comfortably with any mathematics program. Day-by-day activities cover all mathematics strands and are developmental throughout each book and the series. Supported by a weekly testing program (Levels D-G), *New wave mental maths* is the complete mental mathematics resource at the right price.

Incorporating
**new national
curriculum
requirements**

How *New wave mental maths* works

Comprehensive coverage of mental mathematics concept

Student assessment is done at the end of the week in Levels B-C.

New wave mental maths is more than a workbook! Each workbook contains useful maths facts for students to refer to.

Legend

Number and Algebra

Measurement and Geometry

Statistics and Probability

1

WEDNESDAY

1. Draw clock hands to show 4.50.
2. $490 + 340 =$ _____
3. Complete the number line.
4. If $6 + 4 = 2 \times a$, then $a =$ _____
5. Area (ℓ, w) = _____
6. $\frac{1}{2} \times =$ (a) $\frac{1}{4}$ (b) $\frac{1}{2}$ (c) $\frac{3}{4}$
7. $V_1 = V_2 =$ %
8. Is this angle likely to be 45° or 115° ?
9. 1.11 km = _____ m
10. What is this 3-D shape? _____
11. Write $\frac{3}{4}$ as an improper fraction.
12. If a plane is travelling from Perth to Adelaide, in which direction is it travelling? _____
13. $4.00 \text{ pm} \rightarrow 2.00 \text{ am}$
 What is the time difference? _____
14. $13 + 17 =$ _____
15. $4 \times 7 = 28$, $8 \times 7 = 56$, $16 \times 7 =$ _____
16. In 23 000 the meaning of 2 is 20 000.
 Its place value is: _____
 _____ / 1000 = 10 000
17. $54 \div$ _____ = 6
18. Simplify $\frac{1}{2} \times$ _____
19. What is the probability of picking a Jack from a pack of 52 playing cards?
20. 9995, 9997, 9999, _____

THURSDAY

1. Draw clock hands to show 3.05.
2. $10\% = \frac{1}{10} =$ _____
3. Area (ℓ, w) = _____
4. For Question 3, the perimeter = _____ m.
5. 0.565 km = _____ m
6. $1\frac{1}{2} = \frac{1}{2} =$ _____
7. $200 - 39 =$ _____
8. If a plum weighs about 50 g, how many plums would be in a 1-kg bag?
9. The sum of 8 and 7 is _____
10. Draw a reflection of the letter shape.
11. $87 + 49 =$ _____
12. Which 2 equations are true?

(a) $5 \times 9 = 40$
(b) $8 \times 6 = 48$
(c) $36 \div 4 = 9$
(d) $32 \div 4 = 9$
13. odd \times odd = _____
14. $50 \times 40 =$ _____
15. On a compass rose, what direction is this?
16. $6.15 \text{ pm} \rightarrow 3.00 \text{ am}$
 What is the time difference? _____
17. If the ratio of boys to girls is 2:1, how many boys are there if there are 5 girls?
18. _____ - 52 = 149
19. Is -3 (negative 3) greater than $(-)$ or less than $(-)$ 17?
20. Use the abacus to show 3.054.

MY SCORE

MY SCORE

B.C. Education® www.bceducation.com.au

NEW BEST MATERIAL MASTER

Sample pages from Book D

Useful maths reference included in each workbook.

2

MATHS FACTS

Original Length 1 metre		Original Length 1 metre		
1 x 8 = 8	8 ÷ 1 = 8	8 ÷ 1 = 8	8 ÷ 1 = 8	8 ÷ 1 = 8
2 x 8 = 16	16 ÷ 2 = 8	16 ÷ 2 = 8	16 ÷ 2 = 8	16 ÷ 2 = 8
3 x 8 = 24	24 ÷ 3 = 8	24 ÷ 3 = 8	24 ÷ 3 = 8	24 ÷ 3 = 8
4 x 8 = 32	32 ÷ 4 = 8	32 ÷ 4 = 8	32 ÷ 4 = 8	32 ÷ 4 = 8
5 x 8 = 40	40 ÷ 5 = 8	40 ÷ 5 = 8	40 ÷ 5 = 8	40 ÷ 5 = 8
6 x 8 = 48	48 ÷ 6 = 8	48 ÷ 6 = 8	48 ÷ 6 = 8	48 ÷ 6 = 8
7 x 8 = 56	56 ÷ 7 = 8	56 ÷ 7 = 8	56 ÷ 7 = 8	56 ÷ 7 = 8
8 x 8 = 64	64 ÷ 8 = 8	64 ÷ 8 = 8	64 ÷ 8 = 8	64 ÷ 8 = 8
9 x 8 = 72	72 ÷ 9 = 8	72 ÷ 9 = 8	72 ÷ 9 = 8	72 ÷ 9 = 8
10 x 8 = 80	80 ÷ 10 = 8	80 ÷ 10 = 8	80 ÷ 10 = 8	80 ÷ 10 = 8

Original Length 1 metre		Original Length 1 metre		
1 x 8 = 8	10 ÷ 1 = 10	10 ÷ 1 = 10	10 ÷ 1 = 10	10 ÷ 1 = 10
2 x 8 = 16	20 ÷ 2 = 10	20 ÷ 2 = 10	20 ÷ 2 = 10	20 ÷ 2 = 10
3 x 8 = 24	30 ÷ 3 = 10	30 ÷ 3 = 10	30 ÷ 3 = 10	30 ÷ 3 = 10
4 x 8 = 32	40 ÷ 4 = 10	40 ÷ 4 = 10	40 ÷ 4 = 10	40 ÷ 4 = 10
5 x 8 = 40	50 ÷ 5 = 10	50 ÷ 5 = 10	50 ÷ 5 = 10	50 ÷ 5 = 10
6 x 8 = 48	60 ÷ 6 = 10	60 ÷ 6 = 10	60 ÷ 6 = 10	60 ÷ 6 = 10
7 x 8 = 56	70 ÷ 7 = 10	70 ÷ 7 = 10	70 ÷ 7 = 10	70 ÷ 7 = 10
8 x 8 = 64	80 ÷ 8 = 10	80 ÷ 8 = 10	80 ÷ 8 = 10	80 ÷ 8 = 10
9 x 8 = 72	90 ÷ 9 = 10	90 ÷ 9 = 10	90 ÷ 9 = 10	90 ÷ 9 = 10
10 x 8 = 80	100 ÷ 10 = 10	100 ÷ 10 = 10	100 ÷ 10 = 10	100 ÷ 10 = 10

3

Useful maths reference included in each workbook.

MATHS FACTS

Original Length 1 metre		Original Length 1 metre		
1 x 8 = 8	10 ÷ 1 = 10	10 ÷ 1 = 10	10 ÷ 1 = 10	10 ÷ 1 = 10
2 x 8 = 16	20 ÷ 2 = 10	20 ÷ 2 = 10	20 ÷ 2 = 10	20 ÷ 2 = 10
3 x 8 = 24	30 ÷ 3 = 10	30 ÷ 3 = 10	30 ÷ 3 = 10	30 ÷ 3 = 10
4 x 8 = 32	40 ÷ 4 = 10	40 ÷ 4 = 10	40 ÷ 4 = 10	40 ÷ 4 = 10
5 x 8 = 40	50 ÷ 5 = 10	50 ÷ 5 = 10	50 ÷ 5 = 10	50 ÷ 5 = 10
6 x 8 = 48	60 ÷ 6 = 10	60 ÷ 6 = 10	60 ÷ 6 = 10	60 ÷ 6 = 10
7 x 8 = 56	70 ÷ 7 = 10	70 ÷ 7 = 10	70 ÷ 7 = 10	70 ÷ 7 = 10
8 x 8 = 64	80 ÷ 8 = 10	80 ÷ 8 = 10	80 ÷ 8 = 10	80 ÷ 8 = 10
9 x 8 = 72	90 ÷ 9 = 10	90 ÷ 9 = 10	90 ÷ 9 = 10	90 ÷ 9 = 10
10 x 8 = 80	100 ÷ 10 = 10	100 ÷ 10 = 10	100 ÷ 10 = 10	100 ÷ 10 = 10

MATHS FACTS

Original Length 1 metre		Original Length 1 metre		
1 x 8 = 8	10 ÷ 1 = 10	10 ÷ 1 = 10	10 ÷ 1 = 10	10 ÷ 1 = 10
2 x 8 = 16	20 ÷ 2 = 10	20 ÷ 2 = 10	20 ÷ 2 = 10	20 ÷ 2 = 10
3 x 8 = 24	30 ÷ 3 = 10	30 ÷ 3 = 10	30 ÷ 3 = 10	30 ÷ 3 = 10
4 x 8 = 32	40 ÷ 4 = 10	40 ÷ 4 = 10	40 ÷ 4 = 10	40 ÷ 4 = 10
5 x 8 = 40	50 ÷ 5 = 10	50 ÷ 5 = 10	50 ÷ 5 = 10	50 ÷ 5 = 10
6 x 8 = 48	60 ÷ 6 = 10	60 ÷ 6 = 10	60 ÷ 6 = 10	60 ÷ 6 = 10
7 x 8 = 56	70 ÷ 7 = 10	70 ÷ 7 = 10	70 ÷ 7 = 10	70 ÷ 7 = 10
8 x 8 = 64	80 ÷ 8 = 10	80 ÷ 8 = 10	80 ÷ 8 = 10	80 ÷ 8 = 10
9 x 8 = 72	90 ÷ 9 = 10	90 ÷ 9 = 10	90 ÷ 9 = 10	90 ÷ 9 = 10
10 x 8 = 80	100 ÷ 10 = 10	100 ÷		

New wave mental maths: Teachers guide



Written to support all levels of *New wave mental maths*, the teachers guide provides background information and support to allow the smooth operation of the program in the classroom.

Features:

- how to understand and develop mental mathematics
- how to use mental computation in 'real life'
- how to use *New wave mental maths* in the classroom
- assessment strategies
- specific week-by-week concept development outlines
- answers provided.

RIC-1707 978-1-921750-06-9 **\$32.95**[illegible]

4

[illegible]

Student record sheet

New wave mental maths workbooks

Ages 6–7	Book B	RIC-1701	978-1-921750-00-7
Ages 7–8	Book C	RIC-1702	978-1-921750-01-4
Ages 8–9	Book D	RIC-1703	978-1-921750-02-1
Ages 9–10	Book E	RIC-1704	978-1-921750-03-8
Ages 10–11	Book F	RIC-1705	978-1-921750-04-5
Ages 11+	Book G	RIC-1706	978-1-921750-05-2

\$11.95 each