

# New wave mental maths

D

Revised edition



## THURSDAY

Which shape(s) are shaded as  $\frac{2}{4}$ ?



How many more 50c to make \$6?



Name this 3D object.



Which book is standing vertically?



Tick the shapes with symmetry.



## PROBLEM-SOLVING

### MONDAY

Cinema	HHHHH
Camping	HHHn
Judo	Hn
Dancing	HHn

H = 2  
n = 1

The number of Room 4 children who like going to the cinema is the same as the sum of which two activities?

\_\_\_\_\_ and \_\_\_\_\_  
Room 4 has 30 students.  
How many were not asked? \_\_\_\_\_

### TUESDAY

Using 2 green and 2 yellow, colour each box a different way.



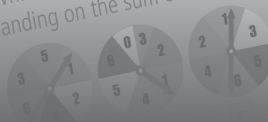
### WEDNESDAY

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



### THURSDAY

Which spinner is certain of landing on the sum of 7?



## FRIDAY REVIEW



Share the ice-creams evenly between two boys.  
How many per boy? \_\_\_\_\_

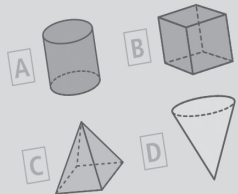
Complete the fractions.



What is the perimeter?



This  is a top view of which object? \_\_\_\_\_



What is the time?


\_\_\_\_\_ pm





# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

## WEEK 1 – pages 2–4


### MONDAY

- 3.00 or 3 o'clock
- 5 + 5
- C
- 7 + 7 + 7
- 8
- Teacher check, 3, 3, 3
- 365
- 14
- Teacher check
- 
- 100
- 200
- 5
- 18
- (a) 110 (b) yes
- B
- A
- C
- 14
- 10

### TUESDAY

- 3.30 or half past 3
- 9 + 9 + 9
- 4 + 4 + 4
- 
- 5, 5, 5, 2
- (a) 292 (b) 305
- 1100
- 7
- $\frac{1}{4}, \frac{3}{4}, \frac{9}{10}, 1$
- 10
- 
- $\frac{1}{4}$  turn
- (a) odd (b) 13
- 200
- 89
- D
- A
- B
- 15
- 18.70


### WEDNESDAY

- B
- 0
- 10 + 10 + 10
- 1919
- 950
- 3, 3, 3, 2
- (a) 22 (b) 32
- 3
- 
- 30
- 366
- 24
- (a) 100 (b) 1000
- 1
- summer
- 12

- $\frac{1}{2}$  turn


- (a) 16 (b) 160
- 70
- 32


### THURSDAY

- A
- 7 + 7 = 14
- 70
- It is equally likely to be a head or tail.
- 8
- 991, 1011
- ×, ÷
- Teacher check. 3 fish
- 10
- ×
- (a) 10 (b) 100
- Teacher check
- 1
- (a) 110 (b) 1100
- 60
- 
- (a) 9 (b) 90
- C
- 3935
- 290

### PROBLEM-SOLVING

#### Monday

- 

- 

#### Tuesday

- 6
- 18


#### Wednesday

- 63
- 57

#### Thursday

- 

### FRIDAY REVIEW


- 16
- 1010
- 413
- 6
- 1020, 1000
- 60
- ×
- 4
- C
- 999, 1001
- (a) 120 (b) even
- 8
- 1009
- ×
- 525
- 40
- 4.30
- 365
- 100
- 

- $\frac{1}{4}$  turn

- 14
- 10
- 24
- Hugo

## WEEK 2 – pages 5–7

### MONDAY

- 8.00 or 8 o'clock
- 16
- 4 + 4 + 4 + 4 + 4 = 20
- 3
- 16 ÷ 4 = 4
- +
- 1010
- 
- 15
- pentagon
- 30 mm
- (a) 4 (b) 40
- spring
- 365
- 52
- 197
- 990
- 42
- (a) 78 (b) 678
- Chantelle

### TUESDAY


- A
- 7 + 7 + 7 + 7 = 28
- 1000
- (a) 8523 (b) 2358
- 15 ÷ 3 = 5
- (a) 10 (b) 100
- 100
- 200
- XYZ
- 6
- Teacher check
- 1
- hexagon
- B
- (a) 11 (b) 110
- (a) 14 (b) 140
- 60
- 24
- 6
- 1

### WEDNESDAY

- A
- 10
- 22
- (a) 87 (b) 107
- 3 + 3 + 3 + 3 + 3 = 15
- 3 × 4 = 12
- 12
- 4
- 24
- (a) 11 (b) 110
- $\frac{1}{2}$
- 9009
- a square
- 10 + 8 + 10 + 8 = 20 + 16 = 36

- (a) 48 (b) 480
- 14
- (a) 120 (b) 1200
- 5
- cherries
- plums

### THURSDAY

- 10.45
- (a) 37 (b) 127
- 159
- (a) 83 (b) 103
- 4
- 8 + 8 + 8 = 24
- 6 × 3 = 18
- 10
- 405
- $\frac{1}{4}$
- pentagon
- (a) 11 (b) 110
- 7
- 
- (a) 5 (b) 50
- (a) 3 (b) 30
- $\frac{1}{5}, \frac{1}{3}, \frac{1}{2}, 1$
- D
- A
- \$2.95

### PROBLEM-SOLVING

#### Monday

- 57
- 9

#### Tuesday

- 3
- 19 August


#### Wednesday

- 1, 15
- 2 September

#### Thursday

- 13
- \$1 × 1, \$2 × 6

### FRIDAY REVIEW

- 9 + 9 + 9 = 27
- 9
- 0
- 8, 10
- 24
- 13, 130
- ÷
- 2010
- 36
- 38
- 134
- $\frac{1}{5}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}, 1$
- 705
- B
- 65c
- 6.15 am
- 366
- 24 cm
- autumn
- 
- B
- YYY
- 6
- 5
- 21

## WEEK 3 – pages 8–10

### MONDAY

- 2.15
- 60
- 7 × 10
- 5
- 3 + 3 + 3 + 3 = 12
- 3 × 7 = 21
- 91
- 1012
- 8
- 52
- 24
- (a) 13 (b) 23
- 20
- 6
- square
- 300, 600
- 40
- 100
- 8
- 2


### TUESDAY

- 12.00
- 8 + 8 + 8 = 24
- 75
- (a) 31 (b) 131
- 105
- 70
- (a) 14 (b) 140
- 48
- 6
- 18 ÷ 3 = 6
- (a) 130 (b) 1300
- 91



- triangular prism
- 100
- 6
- 5
- 8
- (a) 50 (b) 500
- 900

### WEDNESDAY

- 5.15
- 4
- (a) 84 (b) 840
- 9
- 27
- 9 × 3 = 27
- 12
- $\frac{1}{2}$
- 12
- (a) 40 (b) 400
- 7, 7
- square prism or cube
- \$2.50 + \$2.50 + \$2.50 + \$2.50 = \$10
- 
- 980, 1080
- autumn, spring
- $\frac{1}{3}$
- 50
- 20. Teacher check

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

## THURSDAY

1. 9.15
2.  $2 + 2 + 2 + 2 = 8$
3. 5
4. 5, 5
5. 100
6. C
7. 12, 1200
8. 3000, 300, 30, 3, 3333
9. 81
10. 14
11. 1100
12. (a) 6 (b) 60
13. 10
14. square pyramid
15. even, or 1 in 2
16. 8
17. odd
18. 44, 44
19. (a) + (b) 8
20. 40

## PROBLEM-SOLVING

### Monday

1. 2 in 4
2.  $\frac{1}{4}$

### Tuesday

1. C
2. Dave

### Wednesday

1. 4
2. 24

### Thursday


1. 

1	6
16	11
2. 

16	8
24	32


## FRIDAY REVIEW

1.  $3 + 3 + 3 + 3 = 12$
2. 3000
3. 45 km
4. 150
5. 6, 3
6. 103
7. 1015
8. 5
9. 96
10.  $\times$
11. 20
12.  $\$2.50 + \$2.50 + \$2.50 = 7.50$
13. 4
14.  $12 \div 3 = 4$
15. 12
16. odd
17. (a) 10 (b) 100
18. 7.15
19. 2
20. 6
21. 1
22. 52
23. 



8
---
24. 
25. 0 in 4

## WEEK 4 – pages 11–13


### MONDAY

1. 1, 1
2. 500
3. 16
4. 20
5. 100
6. 365
7. 101, 91, 61
8. square pyramid
9.  $\times$
10.  $\div$
11. 350
12. 
13. 55, 5
14. 60
15. 1 in 6
16.  $\frac{3}{6}$  or  $\frac{1}{2}$
17. 1
18. 9
19. 5
20. 10

### TUESDAY

1. 3, 3
2. 25
3. 
4. 
5. (a) 15 (b) 150
6. 80
7. 4
8. 50c
9. 12
10.  $36 \div 3 = 12$
11. 3
12. even
13. 52
14. kg
15. g
16. 240, 300
17. 25
18. kilograms
19. (a) 5 (b) 50
20. 100

### WEDNESDAY

1. 11, 11
2. 25
3. 3
4. 70
5. 36
6. 54
7. 9
8. December, January and February
9. 44, 47, 3
10. 10
11. 1, 9
12. pentagon
13. 31
14. Teacher check
15. 438
16. even
17. 2, 20
18. 60c
19. 4
20. 

## THURSDAY

1. 4, 4
2. 16, 4
3. \$3.30
4. 30, 50
5. 100
6. triangular prism
7. 1100
8. 100
9. 72
10. 10
11. 8
12. odd
13. (a) 9 (b) 900
14. B and D
15. 28 (or 29 leap year)
16. green
17. 7
18. 20
19. 4
20. 27

## PROBLEM-SOLVING

### Monday

1. 3
2. no

### Tuesday

1. 100
2. 3 hrs 30 min or  $3\frac{1}{2}$  hrs


### Wednesday

1. 4
2. 2.25

### Thursday

1. Mon 21st August
2. Tues 22nd August

## FRIDAY REVIEW

1. 0
2. 36, 9, 36
3. odd
4. 6
5. 33, 11, 33
6. 60
7. 14
8. 
9. 60c
10. 100
11. 30
12. 1
13. 12
14. 26
15. C and G
16. kilograms
17. rectangular pyramid
18. A
19. D
20. 28
21. 19
22. \$42
23. 3
24. 1 in 4
25. 2 in 4

## WEEK 5 – pages 14–16

### MONDAY


1. 6, 5
2. 19
3. 16, Teacher check array

4. 4
5. 33, 11
6. rectangle
7. 15
8. 155, 170, 15
9. (a) 11 (b) 21
10. 5, 50
11. 31
12. 5896
13. 6
14. (a) 18 (b) 38
15. 10
16. vertical
17. hexagon
18. 365
19. 10 862
20.  $\times$

## TUESDAY

1. 11, 10
2. (a) 14 (b) 24
3. 30
4. 21, Teacher check array
5. 6
6. 100
7. 4, 40
8. 48, 51, 3
9. triangular prism
10. 25
11. (a) 10 (b) 4
12. 1020
13. 80c
14. \$1.50
15. 6
16. 5
17. (a) 0.3 (b) 0.5
18. 30
19. horizontal
20.  $\div$

## WEDNESDAY

1. 
2. 8
3. \$14.50
4. 30
5. 366
6. 4
7. 88
8. octagon
9. 52
10.  $\div$
11.  $\frac{4}{10}$
12. June, July, August
13. June, July, August
14. 60
15. vertical
16. 2
17. sphere
18. 

a
c + d
v
19. 29
20. Teacher check

## THURSDAY

1. 4, 3
2. 4
3. 40
4. 1007
5. 8
6. 30c

7. 28
8. \$4.50
9. cm
10. 16
11. 88
12. (a) 24 (b) 6
13. am
14. 28 (or 29 leap year)
15. 80
16. 100
17. 16
18. 5
19. no
20. 0.5

## PROBLEM-SOLVING

### Monday

1. 10, 4 or 9, 5
2. 3, 8

### Tuesday

1. camping, judo
2. 5

### Wednesday


1. 48
2. 9

### Thursday

1. square or rectangular pyramid

2. 

## FRIDAY REVIEW

1. Teacher check
2. 24, 24
3. 1009
4. 90
5. 10
6. 10
7. (a) 15 (b) 150
8. (a) 98 (b) even
9. (a) 6 (b) 5 (c) 3
10. (a)  $\div$  (b) 21
11. \$28
12.  $4 \times \$7 = 28$
13. 3
14. 30
15. rectangular prism
16. 
17. km
18. am
19. 


c
a + b
d
20. 6
21. horizontal
22. June, July, August
23. 28
24. 9
25. 2

## WEEK 6 – pages 17–19


### MONDAY

1. 7.45
2. 93
3. 6
4. 5

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

- clockwise
- 32
- 
- 40
- 36
- June
- 31
- (a) 110 (b) 1100
- $\times$
- 5
- $\frac{2}{3}, 1\frac{1}{3}, 2\frac{1}{3}$
- \$16
- 7
- 5
- Yomo, Tamo
- Zea, Zoe, Zia, Zae



## TUESDAY

- 1.45
- 18, 18, 6
- 
- 110
- 28
- 4
- 1220
- A, C
- 130
- 8
- 3, 30
- March, April, May
- $\times$
- 0.6
- Teacher check
- 976
- 76
- 38
- 10
- (a) 10 (b) 100 (c) 1000

## WEDNESDAY

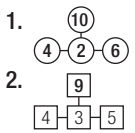
- 11.45
- 0, 6, 6
- 12
- 0
- $\frac{1}{2}$  or  $\frac{2}{4}, \frac{3}{4}, 1\frac{2}{4}$  or  $1\frac{1}{2}$
- pm
- 25
- (a) 120 (b) 1200
- (a) 90 (b) 900
- 200
- $(10 + 8) + (10 + 5) = (20 + 13) = 33$
- 6
- 6
- $1\frac{1}{2}$  pizzas
- anticlockwise
- 24
- 1
- 50
- 1100
- 16

## THURSDAY

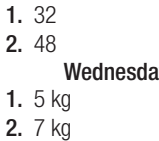
- sphere
- 32, 32
- 10c
- 100
- 16
- 
- \$1
- 1010
- 1000
- 2
- 200
- 9
- morning
- 
- 4
- unicorn
- camel
- hyena
- 52
- (a) 22 (b) 30

## PROBLEM-SOLVING

### Monday




### Tuesday



### Thursday


- 14
- 12

## FRIDAY REVIEW

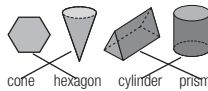
- 36
- 100
- 34
- 400
- 140, 1400
- 15
- 88
- \$14
- 1040
- 150
- 15
- 80
- 1109
- 87
- 7
- 4.45
- Wednesday
- 10
- 16
- $\checkmark, \times, \checkmark$
- 31
- 
- Ema, Oma, Ama, Mila
- Hugo, Amy
- Ema, Oma, Ama, Fini, Vini

## WEEK 7 – pages 20–22

## MONDAY

- 9.15
- 31
- C and D
- 4, 40
- 10
- 36
- 1 in 6
- 1200
- 990
- 10
- 130
- 75
- 
- 88
- 12
- 160
- 137
- 600
- 2000, 2010
- highly unlikely

## TUESDAY

- 7.45
- 100
- 
- 20
- $7 \times 2, 2 \times 10, 5 \times 5, 3 \times 9$
- 21
- 90c
- 100
- 4, 4
- B
- even
- 1200
- cylinder
- 85 mins,  $1\frac{1}{2}$  hrs, 117 mins, 2 hrs
- 32, 5
- \$10.20
- 48
- 300
- $9 + 9 = 18$
- 200

## WEDNESDAY

- 12.45
- 2
- 15
- $1\frac{1}{2}, 2\frac{1}{2}$
- 31
- September, October, November
- 100
- 0.9
- 65
- 200
- 8
- 120
- square
- 30
- am
- 16–18. Teacher check

- middle row, 2nd from left
- front, 1st

## THURSDAY

- 3.00
- 10
- 5
- 14
- octagon
- $2\frac{1}{2}$
- even
- 30 minutes
- (a)  $\frac{1}{5}$  (b)  $\frac{1}{4}$  (c)  $\frac{1}{3}$  (d)  $\frac{1}{2}$
- cube
- 50
- 444
- 14, 140
- (a) 20 g (b) 3
- \$6.50
- 24
- 30
- 200
- $8 + 8 + 8 = 24$
- 1100

## PROBLEM-SOLVING

### Monday

- 2000
  - Mosman
- 1.–2. Teacher check


### Tuesday

- 7
  - 12
1. 7.15
2. 9, 6

### Thursday

- 7.15
- 9, 6

## FRIDAY REVIEW


- 21
- 1100
- 6
- (a) 16 (b) 160
- 1999
- odd
- 120
- 180
- 280
- 500
- \$3.50
- 5
- 8.15
- vertically
- 
- 6
- 1
- pm
- 30
- 4
- cylinder
- September, October, November
- emu
- wombat and koala and wombat and emu
- 24

## WEEK 8 – pages 23–25

## MONDAY

- 6
- 8
- 80
- (a) 26 (b) 6
- 31
- 7, 7
- 6
- $30 \div 5 = 6$
- 400 m
- pm
- afternoon
- $4\frac{1}{2}$
- 12
- 38
- 32
- 105
- 4
- 5
- 140
- $3\frac{1}{2}$

## TUESDAY

- A
- 2
- 99
- (a) even (b) odd
- \$3.50
- Teacher check
- $\frac{2}{4}$
- column
- 90
- 700
- 1400
- 200
- (a) 5 (b) 25
- 800
- (a) odd (b) even
- 14
- 52
- 5
- horizontal
- 


## WEDNESDAY

- 4, 4
- (a) 2 (b) 2
- kilogram
- 1000
- 150
- 8
- 1 m
- 30
- gram
- 12, 16, 20, 24, 28
- $\frac{1}{3}$
- cone
- 27
- 8753
- 1300
- $1\frac{1}{2}$
- 100
- \$8.50
- odd, 2234, 3263, 2033  
Final answer = 2233
- 0.4



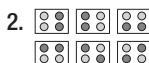
# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

## THURSDAY

- an even chance
- $14 - 7, 7 + 9, 2 \times 9, 4 \times 5$
- 195
- (a) 62 (b) even
- $\frac{1}{4}$
- 12 pm
- cylinder
- 24
- 160
- 120
- 22, 33, 44, 55
- 10 765
- litres
- 
- $\frac{1}{4}, \frac{3}{4}$
- 20
- 4
- anticlockwise
- 6
- 31

## PROBLEM-SOLVING

### Monday



### Tuesday

- Answers include:  
 $5 + 4 + 3 = 12$   
 $9 + 2 + 1 = 12$   
 $6 + 4 + 2 = 12$   
 $8 + 1 + 3 = 12$   
 $7 + 3 + 2 = 12$   
 $6 + 5 + 1 = 12$
- 50

### Wednesday


- 144
- 25

### Thursday

- Teacher check drawing,  $9 + 9 + 9$
- 30

## FRIDAY REVIEW

- 130
- \$3.50
- 4763
- 292
- $\frac{1}{2}$  or  $\frac{2}{4}, \frac{3}{4}$
- 1200
- 5, 10, 15, 20, 25, 30, 35
- 800
- 1000
- 800
- (a) 51 (b) odd
- $2\frac{1}{2}$
- 120
- 1200
- 35
- 15
- 27
- 2.05


- 1 m
- Tuesday, clock B
- cone
- 
- 30
- 400
- Teacher check

## WEEK 9 – pages 26–28

### MONDAY

- (a) Sydney (b) Adelaide
- 12.05
- 24
- no
- am
- $\frac{1}{6}$
- 3 in 4
- $\frac{1}{2}$  turn
- 13, 130
- $3000 + 90 + 6$
- 3000
- (a) 16 (b) even
- 1 km
- 70
- $18 \div 3 = 6, 6$
- 2000, 2005, 2010
- $\div$
- 230
- 1900
- 140

### TUESDAY


- 
- 140
- 45, odd
- 70c
- 12 408
- 398
- pentagon
- $5000 + 100 + 90$
- summer
- 31
- $\frac{1}{4}$  of an hour,  $\frac{1}{2}$  an hour, 60 min
- $>, =, <$
- 10
- 38
- 27
- 11 000
- 600
- 46
- 6
- 8.09 am

### WEDNESDAY

- A
- 3, 3
- 200
- 20 km/h
- 366
- 200 m
- (a) 50 (b) even
- $7000 + 30 + 8$
- evening
- 10
- $\frac{1}{10}$
- circle
- 1

- 40c
- Ben and Dan
- 11
- 27, 3
- 1000
- 5, 50
- 41

## THURSDAY

- 
- 40
- 250 m
- 4
- $54, + 5$
- $\frac{1}{4}$
- hexagon
- 1120
- kilogram
- \$9
- 3, 17
- yes
- vertical
- B
- 30 624
- 52
- (a) 9 (b) odd
- litres
- 52
- 3

## PROBLEM-SOLVING

### Monday

- 20
  - 25 g
- Tuesday**
- 4
  - 100 km/h
- Wednesday**
- 9 and 7
  - 12

### Thursday



- 10 and 7 or 12 and 5
- 8

## FRIDAY REVIEW

- 190
- 100
- 28 607
- $\frac{3}{4}$
- (a) 70 (b) even
- $300 + 10 + 8$
- 50c
- 5000, 5005
- 593
- $\div$
- 1000
- 180
- 8, 32
- 300
- \$7
- $35 \div 7 = 5$
- A
- pentagon
- 1
- 365
- autumn
- Teacher check
- litres
- 1 kg
- equally likely to be a head or tail.

## WEEK 10 – pages 29–31



### MONDAY

- 7.45
- 0.7
- (a) 8 (b) 80
- 791
- 
- $\frac{1}{3}$
- C
- 392
- 9
- 1100
- 3, 18
- 14
- 
- 14 mins,  $\frac{1}{4}$  of an hour, 21 mins,  $\frac{1}{2}$  an hour,  $\frac{3}{4}$  of an hour
- 140
- 85
- (a) 9999 (b) 9990
- $\$5 \times 9 = \$45$
- 8
- 10 kg



### TUESDAY

- 5.30
- $4 \times 3 = 12$
- (a) 70 (b) 700
- octagon
- 16
- kilogram
- (a) 20 (b) 120
- 16, 4
- 32
- 12
- 25
- (a) 70 (b) 700
- A, B and D
- 50c
- triangle
- clockwise
- 31
- 1100, 1102, 1104
- 1 cm
- (a) 9 (b) odd

### WEDNESDAY

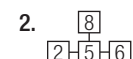
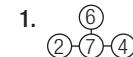
- 9.30
- 87
- 400
- 64 980
- 70
- 68
- 
- 1000
- Your teacher being taller than you.
- 891
- (a)  (b) pentagon
- 130
- 1200
- 3, 21
- \$1.50
- 81
- $\frac{1}{4}, \frac{3}{4}, \frac{1}{4}$
- 75
- 60 km/h
- (a) There (b) 90

## THURSDAY

- 3.05
- 156
- 10 899
- 185
- odd
- 
- summer
- 10mm
- (a) 70 (b) 170
- 45
- 40
- 7
- $21 \div 3 = 7$
- 77
- trapezium
- 
- 52
- 9099, 9100, 9101
- 24 cm
- $4 \times 9 = 36$

## PROBLEM-SOLVING

### Monday



### Tuesday

- 30 and 20
- 18



### Wednesday

- 10
- 50 km/h

### Thursday

- 250 mL
- 8 and 4

## FRIDAY REVIEW

- 800
- $\frac{1}{4}$
- 45
- 130
- 8
- $32 \div 4 = 8$
- 1300
- 196
- 30
- 1000
- 4, 4
- 128
- 12
- 1050
- 88
- (a) 893 (b) odd
- 9999, 10 000, 10 001
- 12.30
- evening
- autumn
- 
- 10
- 
- Teacher check
- A dog chasing the school gardener.

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

## WEEK 11 – pages 32–34

### MONDAY

11. 10
- \$100
- 15
- 10, 1000, 100, 10
- triangular prism
- 10
- A**
- 25
- \$7.50
- 8, 12
- $\times$
- 
- 365
- 1000 mL
- 240
- May
- 4, 4
- (a) 10 999  
(b) 11 098  
(c) 11 495
- 160
- 50

### TUESDAY

3. 10
- 9
- 23 km
- 4, 40
- December
- 30
- 47
- (One of these lines.)
11. 40
- 36
- tonnes
- am
- 299
- 100
- (a) 80 (b) 180
- 11
- 22
- 4
- \$1
- $900 + 10 + 6$

### WEDNESDAY

8. 10
- 8
- 300
- $\frac{8}{100}$
- (One of these lines.)
- 18
- larger
- 18
- 12 pm
- 130
  - anticlockwise
  - 30
  - 3
  - vertical
  - 1 m
  - 33

- \$700
- (a) 150 (b) 1500
- \$1.25

### THURSDAY

1. 1.10
- BB
- 5
- (One of these lines.)
- 70 070
- 12
- 700
- 14
- 1000 m
- 1
- $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
- 1
- 300
- 20 km
- smaller
- 29
- 
- 16
- 4
- 11

### PROBLEM-SOLVING

#### Monday

- 250 mL
- 150

#### Tuesday

- 18
- 24

#### Wednesday

- 3
- 4

#### Thursday

- 21
- 79

### FRIDAY REVIEW

- 29
- 10 995
- \$1000
- larger
- 27
- 93
- 320
- 200
- 8
- 1
- 11
- 2
- 500
- $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
- 4.45
- 
- 1000 mL
- 10
- August
- 30
  - pentagonal prism
  - $4\frac{1}{2}$
    - 12

## WEEK 12 – pages 35–37

### MONDAY

5. 10
- 16 cm
- 9990
- 3, 2, 1
- C, B
- Teacher check
- 1538
- $6 \times 2$
- a rain gauge
- 73
- August
- 1300
- Teacher check
- 1200
- 14
- (a) 700 (b) 650
- 1000 mL
- \$2.75
- 7
- 30

### TUESDAY

9. 10
- 24
- 10
- Teacher check
- 5
- 4
- horizontally
- millimetres (mm)
- 1000 g
- 11
- 30
- (a) 8 (b) 12
- 100
- 40 mm
- Emilie – 1, Lincoln – 2, Jakob – 3
- 36, 36
- Teacher check
- $\frac{1}{3}$  or  $\frac{2}{6}$
- 12
- 100 km

### WEDNESDAY

- 2
  - 10
  - no
  - 54
  - (a)–(c) Teacher check (d) 5 cm
  - 204
  - 11
  - vertical
  - 1000 g
  - C**
  - 2.30
  - $3 \times 8 = 24$  or  $8 \times 3 = 24$ ,  $24 \div 3 = 8$  or  $24 \div 8 = 3$
  - \$1
  - \$2
  - P**
  - 500
  - 108
  - 350 m
  - 1000 m
  - 0.04
- ### THURSDAY
- 18
  - 31

- 52
- 100, 10  
1000, 100, 10
- 84
- 10, 10
- winter
- 70
- $<$
- 156
- 7
- 250
- no
- pm
- (a) 5100 (b) 50 910
- 4
- rectangle
- wind speed
- Teacher check
- trapezium

### PROBLEM-SOLVING

#### Monday

- 150
- 100

#### Tuesday

- C
- 

#### Wednesday

- 5
- 2

#### Thursday

- 8
- 4

### FRIDAY REVIEW

- 0.04
- 1099
- 600
- 51
- \$10
- less
- 20c, 10c
- 9998
- $3\frac{1}{2}$
- true
- 16
- 117
- 5505
- 17
- 5
- pm
- 60 mm
- cone
- Teacher check
- $\frac{1}{3}$  or  $\frac{2}{6}$
- vertically
- 5
- 1000 m
- B, C
- Answers will vary.

## WEEK 13 – pages 38–40

### MONDAY

- east
- 0.17
- (a) 4 (b) 40
- 10
- 48
- 134

- June
- C**
- spring
- square/rectangular pyramid
- Thursday
- Saturday and Sunday
- 672
- 194
- 36
- true
- 9
- false
- true
- false

### TUESDAY

- 10 000
- 12
- A = 70 mL, B = 45 mL, C = 30 mL
- 12, 12 000
- 18 cm
- square
- eating broccoli for breakfast
- 45
- eighteen
- 1000 mL
- kilometres
- false
- true
- 900
- 57
- 12, 12
- no
- 2
- 9

	PRIME	COMPOSITE
Odd	3, 5, 7, 11, 13	9, 15, 21
Even	2	4, 6, 8, 10, 12

### WEDNESDAY

7. 20
- 1100
- 60
- $\times$
- 30 mm
- 8
- February
- 43
- 31
- 300
- 7
- true
  - prime
  - 5
  - 600
  - 2000
  - C and D
  - A and B
  - $< \$1000$

### THURSDAY

4. 20
- 50
- 400
- $\frac{7}{10}$
- 600
- 1100
- 30
- 23

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

9. Teacher check drawing, 3.5 cm or 35 mm
10. 9.80
11. 6 minutes
12. 78
13. B
14. \$16
15.  $< 920$
16. 196
17. (a) 19 999 (b) 20 200
18. 34
19. 400
20. Teacher check

### PROBLEM-SOLVING

#### Monday

1. 3
2. 8

#### Tuesday

1. 6
2. 1

#### Wednesday

1.  $4 \times 7 = 28$
2.  $6 \times 12 = 72$

#### Thursday

1. 40 and 50
2. 12

### FRIDAY REVIEW

1.  $2 \times C$
2. 21
3. 70
4. 24, 24
5. \$66
6. false
7. 206
8. 39
9. 700
10. 8674
11. 102
12. 800
13. 18 800
14. false
15.  $< 470$
16. 1200
17. prime = 2, 3, 5, 7  
composite = 4, 6, 8, 9
18. 10
19. 33
20. 14.30
21. A
22. 18 cm
23. 50
24. 500
25. Answers will vary.

### WEEK 14 – pages 41–43

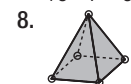
#### MONDAY

1. 2.20
2. 250 cm
3.  $4 \times 9 = 36$ ,  $9 \times 4 = 36$   
 $36 \div 4 = 9$ ,  $36 \div 9 = 4$
4. 25
5. A
6. 31
7. 50
8. \$1.50
9. 28, 4
10. B
11. tonne
12. 22 202
13. no

14. false
15. Friday
16. 80
17.  $2\frac{1}{2}$
18. 10
19. south-east
20. false

### TUESDAY

1. 12
2. 5 hours 15 minutes
3. hexagon
4. \$2
5. 77
6. 207
7.  $7 + 9 = 16$ ,  $9 + 7 = 16$   
 $16 - 7 = 9$ ,  $16 - 9 = 7$



- 8.
9. 48
10. south-west
11. 100
12. B
13. either a head or tail
14. 36, 6
15. irregular pentagon
16. 10
17. 7
18. 11 February
19. (a) 240 (b) 240
20. 1000 g

### WEDNESDAY

1. 5
2.  $\frac{1}{2}$
3. 33
4. 21
5. Sunday
6. 1303
7. 16
8. (a) F,4 (b) B,7  
(c) E,6 (d) G,1  
(e) G,2 (f) F,4
9. 31
10. 5
11. 40
12. square
13. 7
14. 0.40
15. 100
16. 40
17. 2
18. 24
19. 12
20. D

### THURSDAY

1. 8.20
2. 90
3. 11
4. 24, 24
5. 366
6. 0.07
7. 34
8. 3, 7, 11
9. yes
10. 2
11.  $5\frac{1}{2}$  m
12. 25 025
13. north-east
14. \$65
15. 800, 4
16. trapezium

17. 13.65
18. 395
19. 7
20. 22

### PROBLEM-SOLVING

#### Monday

1. 7.80
2. 3

#### Tuesday

1. 4
2. 40

#### Wednesday

1. 5
2. 34

#### Thursday

1. Thursday
2. \$2

### FRIDAY REVIEW

1.  $600 + 10$
2. \$1
3. 27
4. \$7
5. 0.09
6. 5
7. 1705
8. 48
9.  $\frac{1}{4}$
10. 10, 14, 30
11. 8
12. 295
13. 1
14. yes
15. Monday
16. 1 kg
17. no
18. (a) 3 (b) 2
19. NE
20. 8, 15
21. irregular pentagon
22. 60
23. A
24. C
25. 5

### WEEK 15 – pages 44–46

#### MONDAY

1. highly likely
2. +
3. 9
4. A
5. B
6.  $\div$
7. 6
8. cone
9. 300, 7
10. 12
11. third
12. 61
13. 24 December
14. 65c
15. (a) 66 (b) 660
16. set
17.  $\frac{1}{4}$
18.  $8 \times 6 = 48$
19.  $5 \times 4$
20. Teacher check

### TUESDAY

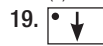
1. 10.50
2. 18

3. 20
4. 28
5.  $12 - 6 = 6$
6. 8
7. sphere
8.  $32 \times 3$
9. north-west
10. 5 cm
11. 13
12. 27
13. fifth
14. 35c
15. (a) 3128 and 3144  
(b) 3509  
(c) 3127  
(d) 3129

16. A = 38, B = 112
17. 1000
18. 33
19. true
20.  $\frac{1}{4}, \frac{3}{4}$

### WEDNESDAY

1. 1.50
2. 1000
3. 10, 2113
4. 267
5.  $4 \times 7 = 28$  or  $7 \times 4 = 28$ ;  $28 \div 7 = 4$  or  $28 \div 4 = 7$
6. 10
7. 8 cm
8. 56
9. C
10. seventh
11. ✓, ✗, ✓
12. 1000
13. anticlockwise
14. 23
15. 200
16. 18
17.  $\frac{2}{3}, 1\frac{1}{3}, 2\frac{1}{3}$
18. (a) odd (b) 1



20. 55c

### THURSDAY

1. 6.50
2. 4
3. 100, 1324
4. 40
5. 50
6. C
7.  $\frac{3}{5}$
8. 3368
9. PR
10. (a) 200 (b) 1200
11. C, 3
12.  $9 \times 16$
13. A
14. 1000
15. 9
16. 15 934
17. \$3.50
18.  $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
19. 5
20. 0.6

### PROBLEM-SOLVING

#### Monday

1.  $\begin{matrix} 8 \\ 5-6-3 \end{matrix}$

2.  $\begin{matrix} 9 \\ 7-5-2 \end{matrix}$

#### Tuesday

1. 16 minutes
2. 9.08 am

#### Wednesday

1. 30
2. 6 and 9

#### Thursday

1. 90
2. 25

### FRIDAY REVIEW

1. 18
2. 600, 8
3. 13
4.  $\frac{2}{3}$
5. 27
6. odd
7. 8
8. 85
9.  $4 \times 2$
10. 20
11. 400
12. 356
13. 44
14. 7
15.  $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
16. 7
17.  $21 \div 3 = 7$
18. 9
19. 5
20. 12 November
21. 1000
22. 7<sup>th</sup>
23. 400
24. A
25. Answers will vary.

### WEEK 16 – pages 47–49

#### MONDAY

1. 3.50
2. hexagon
3. 1
4. 120 000
5. 6
6. tonne
7. 77
8. A = 145, B = 110,  
C = 120
9. 12
10. 1200
11. 15
12. 31
13. 14
14. 1111
15. 34
16. 200
17. even
18.  $\frac{7}{100}$
19. (a) D,2 (b) B,3  
(c) F,9 (d) B,6
20. Teacher check

### TUESDAY

1. 9.50
2. hexagon
3. north-west
4. 1400


# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

- 4431
- odd
- $\frac{1}{5}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$
- 60
- $\$3.50 + \$3.50 + \$3.50 + \$3.50 = \$14$
- $\div$
- E**
- $\$4$
- D
- 16
- 25 May
- 46
- 5
- 8
- $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$
- $\frac{1}{3}, \frac{2}{3}$

## WEDNESDAY

- (a) impossible  
(b) unlikely  
(c) even
- 4
- (a) 3 (b) 2
- 30-m tape
- 4 pm
- 12
- (a) 7 (b) 7
- NE
- 51
- 4
- 35
- 75c
- 140
- 31
- 3, 2, 5
- 1994
- yes
- yes
- triangular prism
- 1 kg

## THURSDAY

- Teacher check
- octagon
- (a) 4  
(b) 
- 3 m
- 3
- 18 m
- 170, 1700
- 1111, 3152
- B
- 160
- $\frac{2}{8}$
- (a) 1365 (b) 1356
- 906
- 14
- 18
- 30c
- $\frac{1}{6}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$
- true
- Teacher check;  
blue = 6, red = 3,  
yellow = 3
- 6 in 12 or 1 in 2

## PROBLEM-SOLVING

### Monday

- B
- 180 m

### Tuesday

- 10
- 40

### Wednesday

- $\$91$
- Teacher check

### Thursday

- 2 kg
- 1 kg

## FRIDAY REVIEW


- Teacher check;  
red = 4, blue = 2,  
green = 2
- 40, 400
- 160, 1600
- $24 \times 4$
- 151
- 200
- 71
- 2, 3, 5, 7, 11
- Teacher check
- $\frac{1}{5}$
- 400
- $\div$
- 8731
- 4
- 2996
- 11
- $\div$
- $\frac{1}{10}, \frac{1}{5}, \frac{1}{4}, \frac{1}{2}$
- $\frac{9}{10}$
- 8
- 1.50
- yes
- north-west
- tonnes
- 2 in 8 or 1 in 4

## WEEK 17 – pages 50–52



### MONDAY

- 1.25
- cone
- 10 000
- pentagon
- 900
- cylinder
- 24
- 8101
- 68
- 10, 8
- 2000
- 2000
- 500
- grams
- 990
- Teacher check
- Teacher check
- 4
- Teacher check
- 12 August



## TUESDAY

- 
- $\frac{1}{4}$  turn
- 101
- $\$4.50$
- 21
- 5
- 900
- 1 in 6
- 49
- 15
- 88
- clockwise
- 19, 24
- 22 cm
- false
- 800
- 790
- 12
- Bella
- 4

## WEDNESDAY

- 
- 2100
- 28, 4
- 53
- 700
- 21 333
- 15 kg, 20 kg
- 3, 5, 9
- $\frac{3}{100}$
- 155
- no
- 70
- (a)  $\frac{1}{4}$   
(b) Teacher check  
colouring,  $\frac{2}{8}$
- 0.05
- 
- 2
- 150
- 200
- 36
- $4 \times 9 = 36$  or  
 $9 \times 4 = 36$

## THURSDAY

- 80
- 130
- $6 + 6 + 6 + 6 = 24$
- 30
- Teacher check
- 177
- 66
- 35
- 3
- 8.25
- $\frac{3}{6}$  or  $\frac{1}{2}$
- 
- Answers will vary.
- 

- February
- 2
- 9
- 14
- $\$10\ 000$
- friend

## PROBLEM-SOLVING

### Monday

- 20 m
- 50 m

### Tuesday

- 16, 32
- 6


### Wednesday

- C
- 10.30 am

### Thursday


- 7
- 2

## FRIDAY REVIEW

- 207
- 74
- true
- 42
- 36
- 24
- 120
- 100, 10
- 24
- 100
- 7
- 27, 6
- 
- 25 kg, 20 kg
- Tuesday
- 300
- A
- Teacher check
- no
- 2000
- 52
- Teacher check
- 5
- 1st September
- 28


## WEEK 18 – pages 53–54

### MONDAY

- 3.25
- 95, 950
- 90
- 120
- 19
- 82
- 16
- 8000 mL
- September
- 55
- $\frac{1}{2}$
- 
- 0.23
- 8
- $\times$
- 10 010

- Teacher check
- Mila
- Alex
- Kobi

## TUESDAY

- 9.25
- 13
- 
- A and D
- 150, 1500
- 31
- $\$9$
- $\div$
- kilograms
- hexagon
- 50c
- clockwise
- 16
- rhombus
- $\$1.60$
- 8980
- 600
- 30
- 4
- $12 \div 3 = 4$

## WEDNESDAY

- 3
- 6
- 21
- $\frac{9}{100}$
- 3
- 12 or 14
- 366
- 23
- 500 mm
- 10 100
- 36
- 35
- Answers will vary.
- 9
- 24
- 3
- sunrise
- B and C
- no
- $\$7.20$

## THURSDAY

- 2
- 17
- parallelogram
- (a) 6 (b) 600
- $\frac{2}{3}, \frac{6}{9}$ , Teacher check  
colouring
- NE
- $7\frac{1}{2}$  minutes
- trapezium
- 800
- column
- 10
- 1000
- A
- no
- $\$3$
- $\$15$
- 14
- 18.–20. Teacher check



# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

## PROBLEM-SOLVING

### Monday

1. \$3
2. 4

### Tuesday

1. 70 and 80
2. 4 and 3

### Wednesday

1. 8
2. 1

### Thursday


1. 35
2. 200

## FRIDAY REVIEW

1. 10
2. 0.25
3. ÷
4. 800
5. 5850
6. 800
7. 50c
8. 18
9. 18
10. 40 040
11. \$7
12. 49
13.  $\frac{1}{4}$
14. 168
15. \$7
16. 15
17. 6
18.  $42 \div 7 = 6$
19. 12
20. (a) A (b) B
21. 100
22. 32
23. yes
24. irregular hexagon
25. column


## WEEK 19 – pages 56–58

### MONDAY

1. 7.35
2. 30
3. (a) odd (b) 33
4. false
5. 240
6.  $A + B = C$
7. 11
8. 
9. 400
10. Teacher check
11. 60
12. 200
13. 9
14. Teacher check
15. 6
16. 50
17. Saturday and Sunday
18. 24
19. 100 m
20. 4

### TUESDAY



1. 10.35
2. 140
3. yes

4. 3
5. 5, 5
6.  $Z + X = Y$
7. 7
8. 29
9. 5
10. 1-L bucket
11. 12 am
12. 
13. 10
14. 840
15. C and D
16.  $(3 \times 10) + (3 \times 4) = 30 + 12 = 42$

17. 60

18. 500 g
19. 70
20. (a) 56 (b) 112

## WEDNESDAY


1. 7.35
2. 140
3. 18
4. 100 secs
5. 1000
6. 
7. 90
8. 80
9. Teacher check
10. 11 hrs
11. 500
12. \$3.50
13. 
14. 21
15. 39
16. 40
17. SE
18. 1000 m
19. 200
20. C


### THURSDAY

1. 9
2. 60
3. 8
4. 10
5. 12
6. 24
7. 6
8. 10
9. 48
10. 10 000, 1000, 100, 10
11. (a) 72 (b) 144
12. 5
13. 5, 8
14. 6
15. 9
16. 3
17. 12
18. \$1690
19. Surf cruiser and Wave messer
20. \$750

## PROBLEM-SOLVING

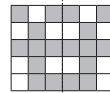
### Monday

1. 

2. 

### Tuesday

1. 1000 mL or 1 L

2. 


### Wednesday

1. 200
2. 25

### Thursday

1. 5
2. 23

## FRIDAY REVIEW

1. Teacher check
2. 8
3. 54
4. 500
5. 43
6. 2000 m
7. 10, 3
8. 70
9. 14
10. \$2.50
11. 70
12. (a) 81 (b) 162
13. 8
14. 9.35
15. 50
16. 365
17. 500
18. 5
19. 
20. SE
21. C
22. Teacher check
23. 500
24.  $5\frac{1}{2}$  hrs
25. less than \$500

## WEEK 20 – pages 40–41


### MONDAY

1.  $\frac{4}{30}$
2.  $\frac{30}{30}$
3. 1
4. 
5. 16 cm
6. 65
7. 800
8. 2
9. 993
10. 22
11. a quadrilateral
12. mL
13. 500
14. 5
15. 36
16.  $20 + 14 = 34$
17. 4
18. (a) 72 (b) 8
19. Teacher check colouring, 5
20. 5 in 10 or 1 in 2


## TUESDAY

1. (a) 2 (b) 5
2. 12
3. 24
4. 45c
5. 31
6. (a) E,2 (b) A,3  
(c) F,4 (d) D,2 or 3  
(e) D,2
7. N
8. 96
9. 3
10. 48
11. 90 090
12. 24 March
13. 1000
14. 5000, 10
15. 700
16. 80
17. no
18. (a) 60 (b) 600
19. Teacher check colouring, 5
20. Teacher check colouring,  $\frac{10}{2} = 10 \div 2 = 5$

## WEDNESDAY

1.  $2, \frac{1}{3} = \frac{2}{6}$
2. kg
3. 
4. 400
5. 111 011
6.  $10, \frac{10}{100}$
7. 60
8. 45
9. 5
10. 36
11. 18
12. 6th
13. 500
14. \$35
15. 600
16. parallelogram
17. 180
18. Teacher check
19. 45
20. 8, 16, 24, 32, 40, 48

### THURSDAY

1. 12.35
2. 100 000, 6000, 300, 70
3. measuring the space between two or more points
4. 
5. 43
6. 20, 40, 60, 80, 100
7. 60
8. 26
9. \$14
10. Teacher check
11. 1000
12.  $\frac{2}{10} = \frac{1}{5}$
13. 9
14. (a) 92 (b) even
15.  $2, \frac{3}{6} = \frac{2}{4}$

16. 24
17. 900
18. litre
19.  $(2 \times 10) + (2 \times 8), 36$
20. 3000

## PROBLEM-SOLVING

### Monday

1. \$24
2. 8 minutes 4 seconds

### Tuesday

1. 225
2. 961


### Wednesday

1. 5 and 8
2. 21

### Thursday

1. 2.35
2. 

## FRIDAY REVIEW

1. 88, even
2. 7
3. 400
4. 9499
5. (a) 10 (b)  $\frac{10}{100}$  or 0.1
6. 38
7. Teacher check
8. 1014
9. 8, 16, 24, 32, 40, 48
10. 36
11.  $(2 \times 10) + (2 \times 9), 38$
12. 42, 6
13. 111 111
14. Teacher check, red = 3
15. Teacher check, blue = 6
16.  $\frac{3}{12}$  or  $\frac{1}{4}$
17. 500 mL
18. (a) 3 (b) 2
19. 30th April
20. mL
21. south
22. 
23. 8 L
24. parallelogram
25. 3 in 12 or  $\frac{1}{4}$

## WEEK 21 – pages 62–64

### MONDAY

1. 5.35
2. 16
3. 0.82
4. 86
5. true
6. true
7. Teacher check
8. even
9. 11 009
10. 50
11. 1000 kg
12. no
13. A and C
14. 3 in 4
15. 356
16.  $99 \div 9 = 11$
17. 21
18. 9.40
19.  $\frac{2}{4} = \frac{1}{2}$
20.  $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{10}$

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

## TUESDAY

- 7.55
- (a) 250 (b) 350
- (a) 8 (b) 80
- 7
- 73
- 1567
- 8
- $\frac{5}{10}$  or 0.5
- 10 010
- false
- 15
- 4
- 11 008
- odd
- cylinder
- Teacher check, 3 hats should be circled.
- A = odd, B = even
- 12
- 
- 1 hour

## WEDNESDAY

- (a) Green or Red Ave  
(b) Blue Blvd or Aqua Ave
- 2053
- $100 \div 10 = 10$
- 20 010
- 32
- 95 kg
- 8
- 11 106
- \$3.80
- 24
- $\frac{1}{2}$  or  $\frac{2}{4}$ ,  $\frac{3}{4}$
- 10 500, 9000
- an irregular
- $\frac{9}{100}$ , 100
- 8.45
- 20
- 500
- 31
- yes
- 1 out of 6

## THURSDAY

- 1
- (a) 9 (b) 90
- B
- 50
- $(2 \times 10) + (2 \times 9) = 20 + 18 = 38$
- $\frac{2}{6}$
- $\frac{2}{4} = \frac{1}{2}$
- 995
- 31 r 1
- (a) an irregular (b) pentagon
- 900
- 1710
- 
- 21
- 5000 g
- $\frac{7}{100}$  or 0.07
- 450 cm
- 20
- 250
- $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$

## PROBLEM-SOLVING

### Monday

- 5
- 9

### Tuesday

- 30
- 150

### Wednesday

- Teacher check
- \$6000

### Thursday

- Teacher check
- 6

## FRIDAY REVIEW



- 350
- $\frac{1}{6}$ ,  $\frac{1}{5}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$
- $\frac{8}{10}$
- 12 007
- 81, 81
- 3500
- 2800
- 86
- 7
- 100
- 32 r 1
- \$2
- 1000 kg
- 6
- 26
- 
- Teacher check
- 3
- yes
- 12
- What Ave
- When Rd
- 3, 2, 1
- blue
- yellow

## WEEK 22 – pages 65–67

### MONDAY



- (a) B  
(b) semicircle
- 3, 6
- (a) 5 (b) odd
- (a) 300 (b) even
- 15
- 12 r 1
- $\frac{1}{4}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{3}{4}$
- (a) 12 (b) 8
- 30
- (a) E, 2 (b) A, 4  
(c) C, 6 (d) E, 3
- 4.5, 4500
- \$2
- Teacher check
- true
- improper fraction
- 500
- false
- 21
- 10
- 14

## TUESDAY


- 8.55
- 112
- 10
- 3
- 7.35
- 150
- 3000
- 
- \$3.50
- 207, 204
- 

- \$50, \$5
- 1 in 6
- 170
- 365
- 400
- 970
- 6.5, 650
- 6
- true

## WEDNESDAY

- A
- $6\frac{1}{2}$  kg
- 52
- yes
- 13 r 1,  $13\frac{1}{5}$
- 
- 4
- 1
- 
- 3, 7
- 110
- 600
- $4 \times 9 = 36$   
or  $9 \times 4 = 36$   
 $36 \div 4 = 9$   
or  $36 \div 9 = 4$
- certain
- 88
- 1006
- true
- \$10
- $4\frac{1}{2}$
- 6

## THURSDAY

- 4.55
- odd
- 7500 mL
- 14
- Dec –1, Sep –2,  
May –3, Feb –4
- 10
- False
- 
- no
- $8\frac{1}{2}$
- 27
- 32
- 
- 2, 4, 6
- \$4
- 11

- 1110
- $8800 + 85$
- 68
- 2 in 6 or 1 in 3

## PROBLEM-SOLVING

### Monday

- 55
- 15

### Tuesday

- 1 cup and  $\frac{1}{2}$  cup
- $\frac{1}{2}$  cup and  $\frac{1}{4}$  cup



### Wednesday

- Liam
- 0.4

### Thursday

- 3 and 6
- 6 and 4

## FRIDAY REVIEW

- 3, 9
- 1007
- 12 r 1
- 8
- 9
- 240
- \$5
- $600 + 30 + 7$
- Teacher check colouring,  
 $A = \frac{4}{8}$ ,  $B = \frac{2}{4}$
- 82
- 360
- $3051 + 220 = 3271$
- 40
- 1
- 35
- 9, 6
- no
- 2.5, 2500
- 28 L
- (a) D, 4 (b) E, 3  
(c) D, 2 (d) H, 1
- 
- 
- 2 square units
- 
- Answers will vary.


## WEEK 23 – pages 68–70

### MONDAY


- 2.40
- 890
- 7
- $\frac{2}{3}$ ,  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$
- A
- 9000
- 50
- $0.7 = \frac{7}{10}$
- 25 mm
- 2, 5
- 9500 mL
- 10 000, 400
- 40
- 41
- 16
- an equilateral
- true

- 17 km
- 2 km
- Eagle Farm



## TUESDAY

- \$200, \$120, \$320
- no
- 2, 4
- 7.55
- 4
- 490
- (a) 6 (b) even
- 
- 320
- 1300
- 121
- 36
- 1990, 2090, 2490
- 550 cm
- thirds
- \$170
- 
- 370
- 9
- Teacher check dots, 6

## WEDNESDAY

- 4
- 7
- 90
- $1.5$  or  $1\frac{1}{2}$
- 206
- 5
- 60
- tenth
- $\$3.50 + \$3.50 + \$3.50 = \$10.50$
- 1009
- 25 kg
- 88
- $0.8 = \frac{8}{10}$
- 
- Teacher check
- 907
- 21
- 6, 9, 12
- 2, 4, 6, 10, 12
- 4, 12

## THURSDAY

- 7, 6, 40
- 45 mm
- 
- 300
- 1944, 2054
- 60
- 4
- 366
- a scalene
- 271
- 50 g and 100 g
- 480
- (a) 0.3 (b) 0.03
- 
- 7
- \$16.80
- February
- x

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

19.



20. 8

### PROBLEM-SOLVING

#### Monday

1. Teacher check
2. \$120 000

#### Tuesday

1. Week 4
2. \$3

#### Wednesday

1. Week 3
2. \$0.25 or 25c

#### Thursday

1. 32
2.  $6 \times 3 = 18$

### FRIDAY REVIEW

1. 2, 4, 8
2. 4
3. 56
4. 1509
5. quarters
6. 15
7. (a) 12 (b) 12 000
8. (a) 55 (b) 550
9. 8
10. 0.4
11. 183
12. true
13. 60
14. 24
15. \$10.30
16. 11, 13, 15, 17
17. 8
18. an isosceles
19. 2500 g
20. yes
21. 14 kg
22. 52
23. 15 mm
- 24.
25. 2 in 8 or 1 in 4

### WEEK 24 – pages 48–49

#### MONDAY

1. 8.40
2. 150 cm
3. 22
4.  $0.2 = \frac{2}{10}$
5. (a) 110 (b) 11 000
6.  $\$200 + \$80 + \$40 + \$20 = \$340$
7. (a) 250 (b) 2500
8. (a) 1 (b) odd
9. 60
10. false
11. 4, 10
12. (a) 80 (b) even
13. column
14. 29 February
15. 9
16. 1111, 3162
17. 270
18. 2700
19. 12
20. 9

### TUESDAY

1. 1.40
2. 88
3. midnight
4. (a) 27 (b) odd
5. \$1.70
- 6.
- 7.
8. (a) 6 (b) 2
9. 196
10. impossible
11. 17
12. 550, 450
13. false
14. 6
15.  $0.9 = \frac{9}{10}$
16. 7.00
17. 0.3
18.  $(3 \times 20) + (3 \times 3) = 60 + 9 = 69$
19.  $\frac{8}{10}$  or 0.8
20.  $180^\circ$

### WEDNESDAY

1. 85
2. 2200
3. 33, 11
4. 0.5
5. 10
6. 280
7. 4.5 L
8. 7
9. false
10. 16
11.  $2\frac{1}{3}, 3$
12. 3
13. 300
14. 6500 m
15. 23
16. 15
17. Teacher check dots, 10
18. stir-fry
19. 3
20. BBQ

### THURSDAY

1. 100, 175
2. (a) 5 (b) 2
- 3.
4. (a) 7 (b) 700
5. even
6. 500
7. no
8. 31
9. 2
10. 300
11. 0.04
12. 70
13. 700
14. 30
15. 35
16. 2500 g
17. 13 February
18. 63, 7
19. 9099
20. B

### PROBLEM-SOLVING

#### Monday

1. 140
2. 1039

#### Tuesday

1. \$4.50
2. 9

#### Wednesday

1. 3
2. 6

#### Thursday

1. 8 and 4
2. 1

### FRIDAY REVIEW

1. 0.4
2. 1.0
3. 60
4. 4, 8
5. 11
6. 70
7. even
8. 19
9. 16 991
10. false
11.  $2\frac{2}{3}, 3\frac{1}{3}, 3\frac{2}{3}$
12.  $0.6 = \frac{6}{10}$
13. 10
14. false
15. 24
16. 350 cm
17. 8
18.  $4\frac{1}{2}$
19. rhombus
20. 29 February
21. 8.00
22. 30
23. hexagonal prism
24. 14
25. 24

### WEEK 25 – pages 74–76

#### MONDAY

1.  $\frac{1}{5}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$
2. 8 r 4
3. an anticlockwise
4. 1.0
5. (a) 104 (b) even
6. 2200
7. 0.1
8. no
9. 250
10. (a) 15 (b) 15 000
11. 360
12. 8
13. 7 October
14. Teacher check
15. 5500 kg
16. 5
17.  $\frac{5}{10}$  or  $\frac{1}{2}$
18. true
19. 2, 4
20. 1.4

#### TUESDAY

1. eleven
2. 3
3. (a) 17 (b) odd
4. 12

5. 60
6. 2.0
7.  $50 + 30 + 2 + 2 = 84$
8. 9 or 15
9. 4444
- 10.
11. (a) 101 (b) odd
12. 24 cm
13. 1
14. true
15. C
16. 1.8
17. 6
18. 5
19. Teacher check
20. 5

### WEDNESDAY

1. autumn
2. (a) 7 (b) 7000
3. (a) 1278 (b) 1978
4. 4, 5, 8
5. 200
6. (a)  $56 \div 8 = 7$   
(b)  $7 \times 8 = 56$
7. 29 February
8. 8
9.  $0.1 = \frac{1}{10}$
10. 7
11. 410
12. 24
13. 30
14. 2.3
15. 1.0
16. 19
17. 3
18.  $20 \text{ m}^2$
19.  $16 \text{ m}^2$
20.  $36 \text{ m}^2$

### THURSDAY

1. Teacher check, 4 sweets should be circled
2. \$5.50
3. 12 pm
4.  $360^\circ$
5. \$1.30
6. 86
7. 23
8. \$7
9. 0
10. pm
11. 2, 3
12. hexagon
13. 80
14. 4, 750
15. 0.4
16. 58
17. false
18. 1.0
19. 70
20. 908

### PROBLEM-SOLVING

#### Monday

1. 300 km
2. 900 km

#### Tuesday

1.  $7 \text{ m}^2$
2.  $8 \text{ m}^2$

#### Wednesday

1. C, A, B
2. 2.20 sec.

### Thursday

1. \$20
2. 79

### FRIDAY REVIEW

1. (a) 1543 (b) 995
2. 5
3. 4
4. 90
5. 32
6. 4, 10, 0.4
7. 19
8. 300
9. 10
10. 1.8
11. 890
12. \$5
13. 10
14. 75
15. 550 cm
- 16.
17. 14 January
18. 24 cm
19. 3500
- 20.
21. III III
22. 16
23. boys
24. girls
25. 28

### WEEK 26 – pages 77–79

#### MONDAY

1. 3
2. 0.7
3. 46
4. 18
5. 366
6. 800
7. 30
8. 3, 11
9. 84
10. 540
11. 32
12. 50
- 13.
14. 42, 6
15.  $\frac{3}{4}, 1\frac{1}{4}$
16.  $90 + 10$
17. true
18. hexagonal pyramid
19. 7
20. base: hexagon

### TUESDAY

1. 5.40
2. 4.5
3. 3.2
4. 90
5. 9.00
6.  $8\frac{1}{2}$  hrs
7. 52
8. 0.3
9. 7<sup>th</sup>
10. 1.0
11. 20
- 12.
13.  $\frac{1}{2} = 0.5$

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

- 5
- south-east
- 60
- 5.2
- (a) 32 (b) even
- $\frac{1}{2}$  minute
- B

## WEDNESDAY

- 6.40
- yes
- octagonal pyramid
- (a) 1347 (b) 2029
- $0.8 = \frac{8}{10}$
- 
- 1.0
- 2, 5 and 10
- 4
- 8
- 18.3
- 900
- \$90.50
- III III III III
- 15 cm
- 1000 m
- 50
- 80
- 8
- 9

## THURSDAY

- 9.40
- 16
- $\frac{1}{2}$
- 7, 11
- 31
- 19 909, 20 909, 21 909
- 36
- Friday
- $8 \times 7 = 56$  or  $7 \times 8 = 56$
- 0.6
- no
- A
- 2000
- 7
- false
- south-west
- $10^{\text{th}}$
- 
- 200
- 10

## PROBLEM-SOLVING

### Monday

- \$6
- \$1.90

### Tuesday

- 3 in 4
- 12 hours

### Wednesday

- 12 hours 35 minutes
- 5 hours 30 minutes

### Thursday

- B
- B

## FRIDAY REVIEW

- 60
- (a) 2577 (b) 3031
- 1.0
- 0.5

- 24
- 3, 9
- 4.8
- 1700
- $\frac{1}{3}$
- \$1
- 10
- $8 \times 4 = 32$
- 100
- 6
- 2
- 3000
- 30
- Monday
- 
- south-east
- 6<sup>th</sup>
- 6
- hexagon
- 5.00
- 

## WEEK 27 – pages 80–82

## MONDAY

- 
- 25
- 4
- 8
- 1
- (a) 63 (b) 6.3
- 100
- \$5.20
- 0.7
- 2, 7
- spring
- false
- 1000
- 
- 4, 48
- 600
- \$42
- 8
- +
- A

## TUESDAY

- 0
- north-east
- 10 008
- (a) 947 (b) 1061
- 13
- 16
- $36 = 6 \times 6$
- 1.0
- 1000, 2000
- 2000
- triangle
- 600
- 35
- parallelogram
- $0.3 = \frac{3}{10}$
- 10
- 800
- $\times$
- 30 minutes
- 22

## WEDNESDAY

- 
- \$1
- 0.89
- no
- 250
- 
- $100\,000 + 10\,000 + 1000 + 300 + 30 + 3$
- Teacher check
- obtuse
- 75
- 65
- 9907
- 4.5
- 4.4
- rectangular prism
- 50 050
- \$700
- 30
- $\div$
- 1500

## THURSDAY

- 11.50
- 
- true
- 2.3
- \$360
- $\frac{1}{2}$
- 
- 10
- 50
- rectangle
- 3 April
- 100
- 40
- 4
- 30 033
- 
- 43 km
- 24
- 28
- 1.0

## PROBLEM-SOLVING

### Monday

- 3 in 4
- 3 in 4

### Tuesday

- C
- B

### Wednesday

- 8
- 8

### Thursday

- A
- B

## FRIDAY REVIEW

- 1006
- 1.0
- $24 = 4 \times 6$
- \$4.80
- $100 + 24 = 124$
- 160
- 50
- 10

- 3, 7
- 21
- 11
- 1500
- 1.0
- 9909
- $\times$
- \$800
- 1800
- 2
- yes
- 9500
- north-west
- circle
- 
- cylinder
- 1 in 4

## WEEK 28 – pages 83–85

## MONDAY

- 12.35
- 3000, 500, 3500
- 0.2
- 50
- 35
- (a) 44 (b) even
- 8, 16, 24, 32, 40, 48
- 190
- 36
- \$1.50
- 14
- 2, 3
- 12 087
- 8.1
- Teacher check
- 90
- 19.9
- 202, 2242
- 5
- 3.1

## TUESDAY

- $\frac{1}{8}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
- 21
- Friday
- 10
- 60
- 2500 m
- 40
- yes
- (a) 6 (b) 600
- \$50.05
- 40
- 40
- 26
- 41
- 0.3
- a regular pentagon
- ll
- 49
- (a) 6 (b) 32
- \$1

## WEDNESDAY

- 1.7
- 50
- $\frac{6}{8}$
- 76
- 3

- 24
- (a) B,3 (b) H,1 (c) E,7
- 40 cm
- 27
- false
- Teacher check; 12 L
- 71
- $\div$
- 5
- 510
- (a) 6 (b) 4
- III III III I
- (a) triangular prism (b) Teacher check
- 
- \$6.70

## THURSDAY

- 4
- 100
- 3500 kg
- parallel
- true
- $90^\circ$
- 8, 24
- 1170
- July
- AA
- 360
- 900
- 4
- $600 + 9 + 70$
- 3 r 1
- $\times, \div$
- 0.4
- 701
- 3 hrs
- more

## PROBLEM-SOLVING

### Monday

- 80
- 

### Tuesday

- 
- 

### Wednesday

- rectangle
- rectangle, triangle

### Thursday

- 200 cm
- 60 cm

## FRIDAY REVIEW

- 0.8
- 5, 500
- 2022
- $7 + 800 + 30$
- 0.09
- $\frac{4}{6}$
- 53
- 650
- 3.9
- 27
- 1111, 2361
- 900
- 600

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

- 74
- 5
- false
- octagon
- 4
- A
- August
- parallelogram
- $X = 3 \text{ cm}$
- $P = 28 \text{ cm}$
- 4 hrs
- more

## WEEK 29 – pages 86–88

### MONDAY

- Teacher check
- 16
- $\frac{1}{4}$
- (a) right (b) east
- Wednesday
- 4.0
- (a) 28 (b) even
- (a) 36 (b) even
- 4
- \$18.80
- 3
- 1
- 6.0
- (a) 1 (b) 18
- 130, 13 000
- 5
- 7
- 28
- 2800
- Teacher check; 4 red, 8 blue

### TUESDAY


- 28, 4
- B
- 25
- 72
- 1111, 1402
- 2100
- 31
- Wednesday
- 40
- \$4.50
- 13.5
- 
- 80
- (a) 50 (b) 500 (c) 200
- 12
- 
- even
- $\times$
- (a) 1279 (b) 986
- 30

### WEDNESDAY

- Teacher check
- \$7
- true
- 130
- 5.8
- 5

- 
- 10
- triangle and rectangle
- 18
- 15 000
- 4
- $3\frac{1}{2}$
- 354
- $70 + 42 = 112$
- 1 June
- 107, 117
- 30 km
- $8 \times 2$
- $\frac{3}{4}$

### THURSDAY

- 10
- 2.0
- 3D
- Teacher check
- 500
- 120
- 0.71
- 234
- 3, 30
- 6
- 81 001
- 6
- \$20, \$50, \$5
- 
- 2100
- rhombus
- 20
- 4 m
- $\frac{1}{4}$
- $\frac{3}{4}$

## PROBLEM-SOLVING


### Monday


- \$2.90
- $1200 \text{ m} = 1 \text{ km } 200 \text{ m} = 1.2 \text{ km}$

### Tuesday

- 500
- 4

### Wednesday

- 

- 

### Thursday

- Blue, Yellow, Blue
- Green, Pink, Pink, Pink, Green




## FRIDAY REVIEW

- $\times$
- 37 007
- (a) 713 (b) 911
- 93 003
- 8.0
- odd
- 40
- true
- 174
- (a) 5 (b) 25
- 77
- 210
- 5 m

- 12.05
- 4
- 5
- October
- 3
- 35 km
- 3D
- 7
- NE
- $\frac{1}{4}$
- 200 cm
- more

## WEEK 30 – pages 89–91

### MONDAY


- $1, 1\frac{2}{4}, 2$
- $40 + 10$
- 0, 1, 3, 8
- 28, 4
- 499
- 12
- 406
- 29 February
- $3 \div 100 = 0.3$
- 800
- 6
- 27
- 23
- 
- 
- 5
- 1.2
- false
- 29.8
- 

### TUESDAY

- 19
- 365
- A
- 10 years
- $\frac{8}{100} = 0.08$
- 240
- 3D
- 40
- 14
- 3, 5
- (a) 12 (b) 60 (c) 120 (d) 200
- 7.0
- 0.6
- 680
- $3 \times 5$
- 10
- 34
- $\frac{1}{2}$
- Teacher check
- 1.0

### WEDNESDAY

- 7.35
- $\frac{2}{100} = 0.02$
- 7.0
- 2600
- twelve
- 360

- 7.0
- have a likely chance
- 11.10
- (a) 2585 (b) 1956
- 106
- 32
- 67.5
- 12
- Teacher check colouring;  $\frac{1}{4}, \frac{2}{6}, \frac{3}{8}, \frac{3}{6}$
- 7.5
- 
- $\times, \div$
- 1400
- Pour B twice into C and A once into C.

### THURSDAY

- 23
- 25
- 20
- Teacher check
- 4500
- 
- 375
- (a) 8 (b) 1
- 
- 174 km
- 2.3
- \$2
- 6
- 3
- odd
- $12 \div 100 = 0.12$
- 
- 1.0
- \$1.55
- 2337

## PROBLEM-SOLVING

### Monday

- 16, 20
- 24


### Tuesday

- 12, 12
- 125 cm


### Wednesday


- $\frac{1}{6}$
- $\frac{1}{2}$

### Thursday

- 
- 1.5 or  $1\frac{1}{2}$

## FRIDAY REVIEW






- 10
- 400
- 
- even
- 38
- 11.7
- 500
- (a) \$15 (b) \$30 (c) \$30
- 2700
- 55c
- 175
- $7 \div 100 = 0.07$
- 41 400
- 49.2
- 175 mL

- A
- afternoon
- 12
- 36 cm
- 8.50
- rectangle or parallelogram
- Teacher check; answers include September, October, November
- Pour A twice into C, then pour C into an empty B.
- 
- impossible

## WEEK 31 – pages 92–94

### MONDAY

- Tuesday
- odd
- 0.9
- (a) 1 gram (b) 10
- 8
- 29
- 7
- 84 310
- 1000
- (a) 100 (b) 1000
- 30
- $\frac{2}{3}$
- 30
- true
- 2
- 100

	TALLY	TOTAL
sea salt		14
chives		3
salt/pepper		7
chilli		4
paprika		2

- 5005

- 

- 6



### TUESDAY

- 4.35
- 15
- 150 mL
- 20
- 39
- square and triangle
- (a) 205 (b) 369 (c) 287
- 0.5
- 52
- 3.6
- 140 cm
- 600
- $\frac{2}{4}$
- Teacher check, 3 strawberries
- $\times 5$
- $\frac{1}{10}$
- $C = A + B$
- 9.0
- $\frac{10}{10}$
- B



# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

## WEDNESDAY

1. Sunday
2. 500
3. 32
4.  $\times 3$
5. 1000
6. 100 kg
7. 17
8. 110
9. 10
10. (a) 15 (b) odd
11.  $\frac{24}{100}$
12. Teacher check
13. (a) 88 (b) 176
14. 34
15. 1 in 6
16. 6
17. pentagonal pyramid
18. 
19. 
20. Teacher check, 108 blue, 105 yellow, 107 green

## THURSDAY

1. 55 km
2.  $25 \text{ km} + 17 \text{ km} = 42 \text{ km}$
3. \$2.80
4. 12 pm
5. 260 cm
6. 150
7. 5
8. C
9. \$12
10. true
11. 30
12. 2500
13.  $\times 4$
14. 1100
15. C
16. (a) 1483 (b) 1348
17. 36
18. 800
19. 6.30 or half past 6
20.  $18 \div 100 = 0.18$

## PROBLEM-SOLVING

### Monday

1. A and D, B and E, C and F

2. Teacher check

### Tuesday

1. guitar
2. 15

### Wednesday

1. 6
2. 4

### Thursday

1. 1600
2. 12 and 9



## FRIDAY REVIEW

1. 0.8
2. (a) 6 (b) 6000
3.  $4000 + 200 + 10 + 7$
4. 700
5. (a) 400 (b) 4000

6. 240
7. 500
8. 77
9. \$12.50
10. 49
11. 1950
12.  $\frac{3}{4}$
13. 100
14. 12 357
15. Tuesday
16. 52
17. 150 mL
18. pentagonal prism
19. 6
20. 180 cm
21. 30 kg
22. irregular pentagon
23. 26
24. 4
25. 3 in 4

## WEEK 32 – pages 95–97

## MONDAY

1. 4.40 or 20 to 5
2. 27
3. \$13.65
4. 71
5.  $\times 5$
6. 2800 m
7. 
8. 100
9. 7
10. 6.15 pm
11. sphere
12. 25 May
13. 
14.  $\frac{8}{10} = 0.8$
15. (a) \$1.60 (b) \$2.40 (c) \$4 (d) \$10
16. an irregular
17. 108
18. even
19. 6
20. 5

## TUESDAY

1. 12
2. 60
3. 1100
4. Teacher check, 4 sharks
5. 3200 m
6. \$2.90
7. \$4
8.  $A <, B =, C >$
9. (a) 4 (b) 8 (c) 16 (d) 32
10. 42
11. 10 mm
12. 0.2
13. 400 m
14. 1.0
15. 5.5
16. odd
17. (a) odd (b) even
18. 40 km

19. (a) 3 (b) 300

20. kite

## WEDNESDAY

1. 12.40
2. 30
3. (a) 9 (b) 27
4. 74
5. 120
6. 870 cm
7. 10
8. 100
9. 200
10. Teacher check
11. 3 in 6 or 1 in 2
12. 49
13. 1988
14.  $\times 3$
15. 3.6
16. 28 cm
17.  $4\frac{1}{2}, 3$
18. 800
19. 1900
20. 1500

## THURSDAY

1. 6.32, 6.51, 7.13
2. 130
3. 1300
4.  $9, 8\frac{3}{4}$
5. 1910
6. \$1.95
7. NE
8. Mildura
9. 46
10. 17
11. 1050
12. 31
13. 7
14. (a) 16 (b) 64
15. 17
16. \$2
17. 100 000, 10 000, 1000, 100, 10
18. Answers will vary.
19. 11.4
20. 20 km

## PROBLEM-SOLVING

### Monday

1. \$10
2. 4

### Tuesday

1. 900
2. 8740

### Wednesday

1. 26
2. 260

### Thursday

1. B
2. C

## FRIDAY REVIEW

1. 150
2. 8
3. (a) 77 (b) 154
4. 37
5. 27 027
6. 2, 3, 4
7. 10 010

8.  $0.09 = \frac{9}{100}$

9. 70.7

10.  $\times 4$

11. \$1.95

12. 8

13. 4

14. 1000

15. 200

16. 3900 m

17. 1996

18. Teacher check

19. 4 pm

20. 850

21. cone

22. 8 cm


23. \$1

24. 10 km


25. odd or even

## WEEK 33 – pages 98–100

## MONDAY

1. 30
2. 700
3. 12 km
4. 12
5. 6
6. (a) 25 (b) 125 (c) 625
7. 14
8. D
9. 2, 3, 6, 9
10. \$950
11. Teacher check
12. 10.0
13. 106
14. 250
15. (a) 54 (b) 9
16. 6
17. (a) \$13 (b) \$20 (c) \$65
18. 
19. Teacher check; 9 blue, 3 green, 2 yellow
20.  $1\frac{1}{2}$

## TUESDAY

1. 1.7
2. (a) 24 496 (b) 30 862
3. 4
4. 500 m
5. 31
6. A and D
7. 

8. 12, 72

9.  $\frac{17}{3}, 5\frac{2}{3}$

10. 8

11. 9100 m

12. \$12

13. 60.6

14. 10 000 g

15. –

16. 20 km



17.  $\frac{1}{6}$

18. \$23.60

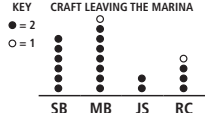
19. 9.20

20. 90

## WEDNESDAY

1.  $\div$
2. \$1
3. (a) 36 (b) 216 (c) 1296
4. 500
5. Teacher check
6.  $\frac{2}{3}, 1\frac{1}{3}, 2\frac{1}{3}$
7. 8
8. 396
9. 
10. \$7.50
11. 98
12. 70
13. 20.2
14. 12
15. 9
16. true
17. 
18. 27
19. 7
20. 32

## THURSDAY

1. 10.25
2. (a) 0.11 (b) 11
3. July
4. 3
5. Teacher check
6. 100
7. 36
8.  $4 \times 7 = 28$
9. 2300 m
10. SW
11. 7760
12. 20
13. 170
14. (a) 49 (b) 343 (c) 2401
15. 11
16. 1600
17. 2500
18. 250
19. 12, 15, 4, 7, Total = 38
20. KEY  CRAFT LEAVING THE MARINA

## PROBLEM-SOLVING

### Monday

1. \$60
2. 150

### Tuesday

1. 50
2. 750 km

### Wednesday

1. B and C
2.  $\frac{3}{8}$


### Thursday

1. 50 g
2. 250 g

## FRIDAY REVIEW


1. 30 km
2. 200
3. 895
4. 9
5. 16
6. 40 040
7. 900

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

8. 23 970
9. 42
10.  $\div$
11. (a) 343 (b) 625 (c) 216
12. 48
13. 40.4
14. \$10
15. 60
16. Teacher check
17. 15
18. Teacher check; answers include March, April, May
19. 250
20. north-west
21. 
22. 31
23. octagon
24. IIII IIII IIII
25. 8

## WEEK 34 – pages 101–103

### MONDAY


1. 2.05
2. 1
3. odd
4. 3.7
5. \$5
6.  $\frac{1}{5}$
7. 8200 g
8. 15 kg
9. 100
10. (a) 512 (b) 343 (c) 729
11. XYZ
12. 365
13. 5
14. 25
15. 55
16.  $\frac{91}{10}$
17. 
18. 10.5
19. (a) 64  
(b) 512  
(c) 4096
20. 404

### TUESDAY


1. Monday
2. 36
3. 4300 m
4. 500
5. (a) 99 (b) 0.99
6. (a) 2.35 pm  
(b) 3.35 pm  
(c) 3.55 pm  
(d) 4.40 pm  
(e) 5.20 pm
7.  $\frac{7}{2}$
8. 66
9. 900
10. 10.0
11. 900
12. 1
13. 0.1
14. B
15. \$1700, \$900, \$2600
16. 300
17. 1

18. 250
19. 85 km
20. 20 km

### WEDNESDAY

1. 6.25
2. 99 999
3. 720 cm
4. (a) 208 (b) 189 (c) 225
5. 12
6. 
7. 1400
8. +
9. 4
10. (a) 9.30 am  
(b) 11.00 am
11. 38
12. 30.9
13.  $4 \times 6 = 24$
14. 500
15. 8.6
16. (a) 3 in 6 or 1 in 2  
(b) 1 in 6
17. circle and rectangle
18. 2950
19.  $\frac{19}{6}$
20. 150

### THURSDAY

1. \$9
2. 150
3. 5
4. (a) \$15 (b) \$18  
(c) \$30 (d) \$100
5.  $1\frac{2}{3}$
6. 109 999
7. 300
8. 8
9. 2 in 4 or 1 in 2
10. 1500
11. 20 cm
12.  $1\frac{1}{3}, 1\frac{2}{3}$
13. 24
14. 31
15.  $\div$
16. (a) 81 (b) 729 (c) 6561
17. 
18. 4
19.  $\$5 \times 8 = \$40$
20. 40 009

### PROBLEM-SOLVING


#### Monday

1. 12, 36, 48, 60
2. 9

#### Tuesday

1. scalene triangle, equilateral triangle and square or rectangle
2. square, triangle and hexagon or square, rectangle and pentagon

#### Wednesday


1. 
2. 250 cm

#### Thursday

1.  $4\frac{1}{2}$  cups
  2.  $\frac{3}{4}$  cup
- ### FRIDAY REVIEW
1. 27
  2. \$1400, \$700, \$2100
  3. 14
  4. 290
  5. (a) 32 (b) 64
  6. 18 089
  7. (a) 266 (b) 272  
(c) 315
  8.  $2 \times 14 = 28$
  9. 8.9
  10. 1500
  11.  $\frac{1}{6}$
  12.  $\frac{10}{3}$
  13.  $\div$
  14. 853
  15. 1300
  16. 9, 18, 27, 36
  17. 300
  18. 4.5
  19. 01.30
  20. 317 km
  21. Teacher check
  22. 750
  23. 24 km
  24. 20 cm
  25. 2 in 4

## WEEK 35 – pages 104–106

### MONDAY

1. Thursday
2. 4.0
3. (a) 41 (b) 410
4. 98
5. 0.06
6. 49
7. 750
8.  $\div$
9. 150
10. 9500 g
11. square-based pyramid
12. 60
13. 600
14.  $\frac{11}{2}$
15.  $\frac{2}{3}, \frac{4}{6}$
16. (a) \$50 (b) \$200
17. 
18. 6.9
19.  $40 + 2 = 42$
20. 695, 785

### TUESDAY


1. 5.55
2. 51.5
3. false
4. \$20.35
5. 600
6. 900 or 1000
7. 1
8. (a) 6 pm (b) 8.30 pm  
(c) 11.30 am
9. A
10.  $90 + 12 = 102$
11. \$7
12. 22

13. 61
14. 100 999
15. 7, 9
16. 4.9
17.  $\div$
18. Teacher check
19. 96
20. 803

### WEDNESDAY

1.  $8\frac{1}{2}$  cm<sup>2</sup>
2. 80
3. 90
4. polyhedron
5. 47
6. acute
7. \$2.20
8. 3 in 6 or 1 in 2
9. 10 000, 1000, 100, 10
10. 6
11. 1.9
12. 10.1
13. 10 000 g
14. (a) 50.5 (b) 505
15. yes
16. 9990
17. Teacher check
18. triangular pyramid
19. 1 min, 75 secs, 1.5 min,  
97 secs, 101 secs
20. 5, 7

### THURSDAY

1. 12.15
2. 24
3. 30, 90, 108
4. 13
5. (a) 80.2 (b) 802
6. 
7. yes
8. 1248
9. 700
10. 200
11. pm
12. \$1
13. (a) 63 (b) 9
14. obtuse
15. 850
16. 15
17. Sunday
18. 30
19.  $\frac{9}{2}, \frac{4}{6}$
20.  $\frac{9}{6}$

### PROBLEM-SOLVING

#### Monday

1. 8 days or 4 weekends
2. 4 hours 0 minutes

#### Tuesday

1. 16
2. 18


#### Wednesday

1. Answer will vary.
2. 9

#### Thursday


1. 138
2.  $14\frac{1}{2}$

## FRIDAY REVIEW

1. 70
2. 9752
3. 36
4. yes
5. 100 000
6. (a) 216 (b) 343 (c) 512
7.  $\frac{11}{3}$
8. 11
9. 30, 7, 90, 21, 111
10. 9990
11. 5.9
12. 750
13. 799
14. 80
15. 72
16. 5
17. Sunday
18. 800 m
19. pentagonal pyramid
20. 18 km
21. 11.00
22. 8800 g
23. 20 km
24. 
25. 3 in 6 or 1 in 2

## WEEK 36 – pages 107–109

### MONDAY

1. 
2. \$4
3. 100
4. 45
5. 32 509
6. 7, 120, 21, 141
7. 550
8. 875
9. 7.8
10. 80
11. \$6.70
12. March
13. 40
14.  $\frac{3}{10}$
15. 16
16. 750
17. 580
18. \$800, \$350, \$160,  
Total = \$1310
19. north-west
20. north-east



### TUESDAY

1. 1045
2. 1.00
3. 5
4. 42
5. 07.20
6. 90 890
7. (b) 117
8. \$360
9. 6000 km
10. 24
11.  $8\frac{1}{2}$  hrs
12. 9
13. \$1600, \$800, \$320,  
Total = \$2720


# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS

- 27
- $\frac{14}{100} = 0.14$
- yes
- \$4
- 10
- $4 \times 12 = 48$
- 76

## WEDNESDAY

- 
- 72
- 7G
- (a) 1000 (b) 5000
- 152
- 21, 7
- 7
- 550 m
- 174
- 4
- irregular polygon
- \$24
- 1000
- no
- 4400 g
- $6\frac{2}{5}$
- October
- 
- 0
- 1050

## THURSDAY

- 1012
- 5.8
- 30
- (a) irregular hexagon (b) 7
- \$53
- 3, 3, 120, 12, 132
- 1 in 6
- 29
- 30 km
- 100
- 
- north-east
- 750
- $1\frac{2}{5}$
- B, C
- $\frac{1}{2}, \frac{1}{3}, \frac{1}{8}, \frac{1}{10}$
- 1500
- 23 November
- (a) 31 (b) even
- (a) 10.1 (b) 0.101

## PROBLEM-SOLVING

### Monday

- 5, 8, 2, 7
- 9

### Tuesday

- 25
- 85


### Wednesday

- Teacher check
- 186

### Thursday

- 40 g
- 250 g

## FRIDAY REVIEW



- 40, 5, 135
- 10 702
- 1081
- 46
- 101
- 46 078
- $\frac{7}{10}$
- 2000
- $\div$
- 156
- 6
- \$700, \$350, \$140, Total = \$1190
- 7.8
- 0
- 30
- 
- July
- south-east
- 28
- $\frac{3}{4}$
- no
- 25 October
- irregular hexagon
- 8 square units
- 3 in 6 or 1 in 2


## WEEK 37 – pages 110–112

## MONDAY

- $0.08 = \frac{8}{100}$
- $\frac{1}{4}$
- $\frac{1}{4} = \frac{2}{8}$
- Teacher check
- 420 cm
- 10.01
- 09.40
- 9
- 45
- 1
- 15
- 31
- 1000
- (a) irregular pentagon (b) 8 (c) 6
- (a) 2 cm<sup>2</sup> (b) rectangle
- 16–18. Teacher check
- back row, third from right
- front row, first on the left

## TUESDAY



- 
- (a) 48 (b) 96
- 1 in 6
- hexagonal prism
- 750
- 0
- 40
- 
- $\times$
- 10 000
- (a) 6 cm (b) 2 cm
- (a) 33 (b) odd

- June
- 143
- Teacher check
- 36
- 130
- 8808
- 15
- 

## WEDNESDAY

- 310
- 400
- 500
- 1304
- 8
- \$4.40
- 250
- even
- 52
- false
- 1000
- $\frac{46}{5}$
- 3, 4
- \$10
- $\frac{5}{10} = \frac{1}{2}$
- 168
- triangle
- 2330
- 5
- (a) greatest value = 1 (b) smallest value = 7

## THURSDAY

- 
- 400
- $8\frac{2}{5}$
- 12 am
- 7
- 9
- 1, 12
- 0.9
- 26
- 7
- 
- Teacher check; red = 6, yellow = 5, blue = 7
- Friday
- (a) 290 (b) 29
- 300
- Teacher check colouring;  $\frac{3}{4}, \frac{5}{6}, \frac{2}{3}$
- 99
- rhombus
- $\frac{7}{10}$
- 0.4

## PROBLEM-SOLVING

### Monday

- A
- A

### Tuesday

- | Right angles | Acute angles | Obtuse angles |
|--------------|--------------|---------------|
| A            | E            | B             |
| D            |              | C             |

- 



### Wednesday

- 40
- 0.5 or  $\frac{1}{2}$  second

## Thursday


- 6
- Teacher check, rectangle

## FRIDAY REVIEW


- 6016
- 05
- 
- $\frac{1}{3} = \frac{2}{6}$
- 3673
- 1250 m
- $3\frac{1}{8}$
- 120
- 130
- 6, 8, 12
- 490
- (a) 42 (b) 84
- 36
- 991
- 7717
- triangle
- 750
- 04.40
- yes
- September
- 
- A
- 2 units
- 3 in 6 or 1 in 2
- 2 in 6 or 1 in 3


## WEEK 38 – pages 113–115

## MONDAY


- 
- true
- 5
- kite
- 11 101
- 4
- 26 June
- 1500
- $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}$
- 1 in 8
- 3
- 250
- 7310
- \$16.50
- \$8.25
- no
- 9.9
- (a) irregular octagon (b) 7 square units
- 9
- 11

## TUESDAY

- 19 910
- 1
- 50 kg + 45 kg
- 894
- 470
- 2
- even
- 36
- false
- 1 km
- 

- $20 \div 3 = 20\frac{2}{3}$
- 700
- 4400
- (a) irregular octagon (b) 6
- 250
- Teacher check, shape B
- $3 \times 4 = 12$ ,  $4 + 4 + 4 = 12$
- $\frac{4}{8}$
- 


## WEDNESDAY

- 
- 2
- 2
- 5
- 2100
- (a) 8 (b) 4 (c) 6 (d) 9
- 58
- 2700
- 200
- 99
- 1000 cm
- 8
- Teacher check; answers include June, July, or August

## Thursday

- Yen
- 56
- 750
- 50 g, 7
- even
- 2600
- $\div$

## THURSDAY

- Saturday
- \$10
- 5800
- 27
- 4 in 8
- 
- +
- 400
- (a) \$100 (b) 1000
- 5.4
- 990
- 1200
- trapezium
- 510
- $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
- 1600
- odd
- 32
- 100
- (a) irregular octagon (b) 8

## PROBLEM-SOLVING

### Monday

- 375
- 80 km

### Tuesday

- 25
- Teacher check

# NEW WAVE MENTAL MATHS (BOOK D) – ANSWERS


## Wednesday

1. 19 or \$3.80
2. 12

## Thursday

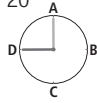
1. 125 km
2. 2.36

## FRIDAY REVIEW


1.  $2\frac{1}{8}$
2.  $\frac{7}{100} = 0.07$
3. 1985
4. \$28.50
5. 1600
6. 29
7. 9909
8. 150
9. 38
10. 10
11. 4
12. 27, 27
13.  $\div$
14. 2999, 3876, 3978, 4011
15.  $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
16. 30
17. Wednesday
18. 12
19. 
20. 1 m
21. 55 kg + 45 kg
22. Teacher check
23. 750
24. hexagon
25. 2 in 8 or 1 in 4


## WEEK 39 – pages 116–118

### MONDAY





1. 20
2. 
3. 1 January
4. 19
5. 7
6. 950
7. 25
8. 1
9. 350
10. 80
11. 590
12. 2
13. 1548
14.  $\div$
15. 1.0
16. 5
17. 32
18. 100
19. 13
20. \$2.55

### TUESDAY



1. 
2. 17
3. 800
4. 132

5. 60
6. 820
7. 1950
8. Kathleen
9. 4.2
10. (b) 3.0
11. 520
12. 6
13. 20
14. litres
15. 55 hours or 2 days and 7 hours
16. 600
17. 
18. aqua and blue red and green
19. \$11.40
20. \$3.60

### WEDNESDAY

1. 21 196
2. 34
3. 
4. 
5. 32
6. \$89.50
7. 8
8. 160
9. 
10. 4
11. 5500 mL
12. 55
13. 9
14. 8
15. 1 in 4
16. 17, 107, 1007, 10 007
17.  $\frac{20}{3} = 6\frac{2}{3}$
18. 50c
19.  $\frac{1}{2}$  L or  $\frac{2}{4}$  L
20. 

### THURSDAY

1. 
2. 4000
3. 5 r 3
4. (a) 12 (b) 0
5. 1400
6. 7
7. 1800 m
8. 5.0
9. 5732
10. 250
11. 5
12. 230
13. 0.1
14. 
15. row
16. 690
17. SW
18. \$1.10
19. 2500
20.  $88 \div 8 = 11$

## PROBLEM-SOLVING

### Monday

1. 8 and 9
2. 225 minutes or 3 hours 45 minutes

### Tuesday

1. 32
2. Teacher check




### Wednesday

1.  $\frac{3}{10}$
2. 0.4

### Thursday


1. 6
2. 18

## FRIDAY REVIEW

1. 890
2. 575
3. 98 763
4.  $0.11 = \frac{11}{100}$
5. (a) 144 (b) 128 (c) 112
6. 10.0
7. 1510
8. 530
9. 38
10. 50c
11. 800
12. (a) 49 (b) 98
13. 19.9
14. \$6.55
15. 10 234
16. 
17. 44 km
18. 7
19. thirtieth
20. SE
21. 
22. 750
23. 1300
24. 
25. 0 in 4

## WEEK 40 – pages 119–121


### MONDAY

1. 6 r 5
2. 700
3.  $90 + 4 = 94$
4. 1.0
5. 250
6. \$200
7. 4 in 8
8. 
9. Sunday
10. 180
11. –
12. Teacher check
13. February
14.  $10 \times 2.7$
15.  $A >, B =, C <$
16. 8.9


17. 9909

18. 5
19. F,4
20. 1,3

## TUESDAY

1.  $40 \div 4 = 10$
2. 10.0
3. 10, 14, 30
4. Teacher check
5. 29 February
6. 52
7. true
8. 30
9. 750 g
10.  $10 \times 17.1$
11.  $9\frac{1}{2}$  hours
12. 
13. 250
14. (a) 60 (b) even
15. Teacher check, 10
16. 10 000
17. 20.2
18. 486,  $\times 3$
19. 50 011
20. 237

## WEDNESDAY

1. 2.25
2. 1200
3. 1.9
4. 8000
5. parallelogram
6. 500
7. 31 December
8.  $\frac{42}{10}$
9. Sunday
10. 210
11. to measure the length of an oval
12. 1400
13. 99 900
14.  $0.9 = \frac{9}{10}$
15. 365
16. 
17. vertical
18. 1875,  $\times 5$
19. \$30
20. \$33

## THURSDAY

1. 600
2. Teacher check, cylinder
3.  $\times$
4. 1980
5. 16 000
6. 1.8
7. pm
8.  $\div$
9. Teacher check
10.  $\frac{3}{4}$
11. 3 m
12.  $\frac{21}{100}$  or 0.21
13. 94
14. 90 909, 90 910
15.  $\frac{2}{10}$

16. 23
17. true
18. **bye**
19. 100 km
20.  $19 + 15 = 34$

## PROBLEM-SOLVING

### Monday

1. 75
2. 225

### Tuesday

1. 300
2. 20

### Wednesday

1. 700 m<sup>2</sup>
2. 800 m<sup>2</sup>

### Thursday

1. 9 cm<sup>2</sup>
2. 36 cm<sup>2</sup>

## FRIDAY REVIEW

1. 120
2. 10 000
3.  $\frac{3}{4}$
4. 21, 33, 45
5. \$8
6. even
7. (a) – (b) 600
8. 117
9.  $\div$
10. 90 119
11. 28
12. 70
13. 267
14. 1.45
15. 31 December
16. 500
17. (a) 175 km (b) 100 km
18. 250
19. **25**
20. 250 mL
21. kite or rhombus or trapezium
22. 55 km
23. 12 pm
24. B + C + A
25. 1 in 8