




# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

## WEEK 1 – pages 2–3


### MONDAY

- 2.35
- 40, 0.4
- 90°
- 3
- $\frac{8}{5} = 1\frac{3}{5}$
- 1 000 000
- 
- 2 or 5
- Similar
- 16 cm<sup>2</sup>
- 2
- $\frac{1}{2}$
- trapezium
- 3
- 10
- 4
- 45 mm
- 1800
- b
- 3.8

### TUESDAY


- 4.55
- 43
- 3
- 
- 250
- 8
- 45
- 
- c
- 540°
- (b) 5 x 5
- 144
- 10 000
- Albury, Orange
- 0.64
- 100 mL
- \$12
- 50
- 21
- 3

### WEDNESDAY


- US \$20
- 
- 19, 29
- 1 000 010
- 5.7
- 8, 135°
- 2100
- 45
- 16
- 16 mm
- $\frac{2}{3}$
- 90°

- \$20
- $4 \times 24, 2 \times 48 = 1 \times 96$
- 45
- 800 kg
- 6
- 4 in 20 or 0.2 or 20% or  $\frac{1}{5}$
- 80 000
- (b) 6 x 6

### THURSDAY

- 6.05
- $\frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$
- 
- 0.5      5. 12 cm
- \$5      7. 56
- 600      9. 3
- (a) Eastern  
(b) Central  
(c) Western
- 90°
- 4
- 17 000
- 1000 kg or 1 tonne
- 5
- 18 km
- 5 x 24
- 10 000 100
- Bow Bridge, Denmark
- 50 mL


### FRIDAY – page 82

- 1.55
- 1 000 010
- 
- 27
- b
- 90°
- 15
- 41
- 4
- 2100 kg
- 4
- b, d
- \$30
- $\frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$
- 24 km
- 7
- trapezium
- 72
- 30
- \$15.75
- 53
- 5
- Wubin, York
- 2000
- 1 mL


### WEEK 2 – pages 4–5

### MONDAY


- 5.45
- AUD \$150
- cylinder

- 16 000
- 100 000
- 26
- 10 101 000
- 1.85
- 180°
- 4
- 1000
- 
- A, B
- \$15
- 2
- 34
- 35 cm
- 4
- false
- 12 min.

### TUESDAY



- 12.05
- 
- yes
- 45, 29
- 60, 75
- 220
- 32
- $\frac{8}{4} = 2$
- heptagon
- 1.5 m
- 1917
- 5
- 3000 m<sup>2</sup>
- triangular prism
- 9, 9.75
- c
- 2.35
- 300, 600
- 69 km
- 9

### WEDNESDAY


- C
- 4.13
- one million, one thousand, one hundred and ten
- 40
- 1.28
- true
- 2.3 cm
- 32 mm
- 400 000
- 
- \$32
- 5
- false
- 21
- 75, 125
- 200 cm<sup>3</sup>
- 8.1


- 8
- 54 cm
- 22

### THURSDAY

- 3.30
- b
- nonagon
- 1300 kg
- 12      6. 21
- 8      8. 900
- $\frac{5}{10}$
- 11 minutes
- 9, 0.9
- C
- 8
- 
- 15 km
- 6 out of 10 or 3 out of 5 or 0.6 or 60%
- 
- 5.3
- \$30
- 10

### FRIDAY – page 82


- 7.30
- 3.5
- 2
- heptagon
- 21 min.
- 4
- 16 cm
- 110
- 0.12
- 70
- 750
- 400 cm<sup>3</sup>
- \$24
- 

- 8
- 35 cm
- 4
- 400 000
- $\frac{4}{5}$
- nonagon
- 
- 6.7
- 0200
- 4 out of 2 or 1 in 5 or 0.2 or 20%
- 100 000


### WEEK 3 – pages 6–7

### MONDAY

- US \$75
- $1\frac{1}{5} = 2\frac{1}{5}$
- 45°
- no

- 50°
- 32
- 9
- $8\frac{4}{5}$
- 1:100
- 7 m
- false
- 
- 0.13
- 1000 g
- $5\frac{1}{2}$  m
- 17.2
- 8
- 28 km
- 6.1
- 38, 3.8

### TUESDAY

- 9.05
- 9 
- $\frac{2}{5}$
- 12
- 4.95
- 42
- 4.9 cm
- 20:10 or 2:1
- 32
- \$48
- 1000
- 6.45
- 33
- 180°
- 12 cm<sup>3</sup>
- 3
- (a) 10 x 3.5
- 1500 kg
- 6
- \$45

### WEDNESDAY

- 21
- 2 out of 20 or 1 in 10 or 0.1 or 10%
- 81
- 90
- 5:20 or 1:4
- $\frac{5}{6}$
- $\frac{6}{4} = 1\frac{2}{4}$  or  $1\frac{1}{2}$
- C
- \$30
- 1 000 000
- 1:100
- 5
- \$80
- 63
- 44 cm
- 27 cm<sup>3</sup>
- 2.95
- a
- 1000
- 15

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

## THURSDAY

- 8.25
- 1:100
- 1300
- 100
- 5 tonnes
- 13, 1.3
- 2.95
- 6
- 3.7
- cone
- C
- 22
- \$17.75
- 270°
- 0000
- 25
- \$200
- 4.12
- (a), (c)
- 24 m<sup>3</sup>

## FRIDAY – page 83

- 940
- 10.00 pm
- $\frac{7}{5} = 1\frac{2}{5}$
- 4.98
- 8
- 490
- 32
- 7.1
- 1000
- 1:100
- 12.5
- 20
- 24 m<sup>3</sup>
- \$72
- 270°
- 4.5 tonnes
- 5



- 20
- 1001011
- 2.95
- 47
- 1 000 000
- 180°
- 15
- 20 km

## WEEK 4 – pages 8–9

### MONDAY

- approx. 1.08
- $\frac{4}{5}$
- Teacher check
- 1500
- $(6 \times 4) + (3 \div 3) = 25$
- 2.93
- 9.8
- 14
- 106



- 3500 kg
- 7.9
- 
- (b) and (d)
- yes
- 1.0
- 1010
- 6
- 10 000 m<sup>2</sup>
- 174
- 200 g

## TUESDAY

- approx. 10.28
- 
- $3\frac{6}{4} = 4\frac{2}{4} = 4\frac{1}{2}$
- 40 000
- \$14.85
- 1 100 000
- C
- icosahedron
- true
- 25 mm
- 1 000 000
- 93
- b
- 180 m<sup>3</sup>
- 6:12 or 1:2
- \$150
- 5.25
- 10<sup>3</sup>
- 9
- $(3 \times 8) - (5 \times 2) = 14$

## WEDNESDAY

- |   |   |
|---|---|
| C | A |
|   |   |
| B |   |
- $a = 40^\circ, b = 40^\circ$
- 10<sup>3</sup>
- 1000
- 1:100
- 9.00
- 63
- |   |   |   |    |
|---|---|---|----|
|   |   |   |    |
| 2 | 5 | 9 | 14 |
| 3 | 4 | 5 |    |
- yes
- 75
- $3\frac{3}{5}$
- 10
- 26 000
- 132, 1320
- 
- 1.06
- 1
- 500 cm<sup>3</sup>

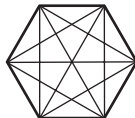
- 80
- 20 km

## THURSDAY

- 
- dodecahedron
- 5 pm
- 100
- 12
- 40
- 21
- \$12.50
- B
- 550 mL
- 4
- $5\frac{3}{5}$
- 0.5
- Teacher check
- 1 400 000
- $\frac{2}{4} = \frac{1}{2}$
- 365
- c
- \$75
- 3.00

## FRIDAY – page 83

- (a)
- 51
- \$350
- icosahedron
- $14 \div 2 = 7$
- 1 000 000
- true
- 45
- 12
- 10.00
- $(7 \times 5) - (10 \div 2) = 30$
- no
- 176
- 8
- $\frac{2}{4} = \frac{1}{2}$
- 100 000
- $5\frac{3}{5}$
- 8 pm
- 9



- 
- 300 g
- $\frac{7}{8}$
- 9:18 or 1:2
- 30 mm
- $x = 70, y = 120^\circ$

## WEEK 5 – pages 10–11

### MONDAY

- 8.17
- 1000

- 6500 kg
- 25
- 24
- 9.92
- $(6 \times 3) + (8 \div 2) = 22$
- true
- 
- $\frac{1}{4}$
- 20 000
- 10 out of 20 or 1 in 2 or 0.5 or 50% or  $\frac{1}{2}$
- 8 cm
- \$13.65
- 9
- 0.125
- 270°, reflex
- $36 \div 4$
- 50
- 30 000 cm<sup>3</sup>

## TUESDAY

- 99 990
- or
- 9.39
- \$15
- \$7.50
- 0.96, 9.96
- $\frac{1}{8}$
- 9
- 15 km
- 92**
- $6\frac{3}{10}$
- 366
- trapezium
- 15:3 or 5:1
- 10,  $\frac{2}{5}$
- 75
- 188
- 20
- 7.95
- 36

## WEDNESDAY

- 110 000
- $5 \times 48$
- $\frac{5}{6}$
- 400 000
- 30
- |   |   |
|---|---|
| X | X |
|   | 0 |
| X |   |
- 1650
- 
- 100
- 125
- 12
- 2
- $4\frac{5}{10}$
- 136
- 8.295
- 9.34 am
- $(9 \times 3) - (18 \div 2) = 18$
- 270

- 21
- 775 mL

## THURSDAY

- 0.23
- 9
- 180°
- 200
- 10
- 7.71
- 36
- yes
- (a) \$10, (b) \$110
- 12 cm
- 30
- 6
- $5\frac{5}{10}$
- 5
- 0.394
- 1.91
- 9
- \$2.50
- 7.169
- 5 cm

## FRIDAY – page 84

- 0.125
- 225
- 1 001 001
- 7.355
- 7
- 
- 24 000 cm<sup>3</sup>
- 21
- 20
- 15 cm
- $\frac{1}{4}$
- 0.78
- 0.01
- 18
- $(8 \times 3) - (45 \div 9) = 19$
- 128
- 2
- $4\frac{6}{10}$

- |   |   |   |
|---|---|---|
| X |   |   |
|   |   | X |
|   | X |   |
- 11 000 kg
- 2
- 8.95
- 6.28
- 500 000
- 5 diagonal lines



## WEEK 6 – pages 12–13

### MONDAY

- approx. 4.03
- 40
- 3 m
- 2887
- true
- 1.4 million
- 48 m<sup>2</sup>

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

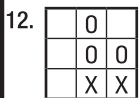
8.  $90^\circ$
9.  $\frac{1}{10}$
10. \$2.50
11.  $60^\circ$
12. 6
13. 1012
14. \$15.20
15. Oberon, Wee Waa
16. 3200
17. hemisphere
18. 0130
19.  $-9, -3, 0, 7, 8$
20. 24, 96

## TUESDAY

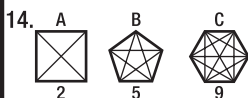
1.  $\frac{3}{10} + \frac{8}{100}$
2. Teacher check
3. 27.5 km
4. 4 pm
5. 801
6. 1.4
7. 7, 5, 7
8. 10:20 or 1:2
9. 7.1

10. 9

11. 16



13. 90



15. 6.28 am

16. no


17. 60

18. 4000

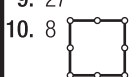
19.  $\div$

20. 8 out of 15 or  $\frac{8}{15}$

## WEDNESDAY

1. approx. 6.47
2.  $56 \text{ m}^2$
3. 1 000 003
4. 150
5. 20:10 or 2:1
6. 29
7.  $\frac{7}{8}$
8. 

9. 27



11. 0.06, 0.006

12. hexagonal prism

13. 15

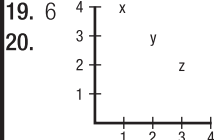
14. 1.04 million

15.  $\frac{7^2}{3}$

16. 1.5 tonnes


17. 6

18. 22.5 km

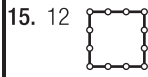


20.

## THURSDAY

1. 12.50
2. 8
3. 
4. none
5. 0.3
6. 5
7. C, A
8. 51
9.  $\frac{5}{6}$
10. Teacher check
11. 31 000
12. 1 120 000
13. false

14. 23



16. 1.99, 1.999

17.  $120^\circ, 60^\circ$

18. 34

19. 80

20. 4 pm

## FRIDAY – page 84

1. approx. 10.04
2. 180
3. 12:24 or 1:2
4. 8
5. 9

6. 11

7.  $\div$

8. 8.99

9. 2

10. 42

11. 61

12. 0040

13. false

14. 4.5 t

15. 1.6

16. 6 pm (following day)

17. 32.8

18. 3.85

19. 3 m

20. 40

21. 16

22.  $9^{10}/8 = 10^{2}/8$  or  $10^{1}/4$

23. 27.5 km

24. 375

25. 5 out of 20 or 1 in 4 or  $\frac{1}{4}$  or 0.25 or 25%

## WEEK 7 – pages 14–15

## MONDAY

1. 3

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

3. 

4. 0.02


5. 3050

6. 475

7.  $(6 \times 3) \div (9 \times 2) = 1$

8. 27
9. 240
10. 0.001
11. 16, 49
12. \$1.25
13. 6
14. C (3 L then 500 mL)
15. (b)
16. \$1.50
17. dodecagon
18. 160
19.  $\frac{6^5}{10}$
20. 9 pm

## TUESDAY

1. 9.10
2. 15
3. 4
4. 0.003
5. 17.7
6. 10
7. 7500
8. 2 pm
9. 

10. false

11. 0.12

12. \$14, \$154

13. octagonal pyramid

14. 22

15. 80, 90, 140

16. 9 m

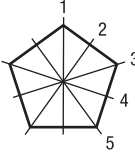
17. 56

18. 1301

19. 24

20. true

## WEDNESDAY

1. 7.40
2. 110 km
3. 100 km
4. 388
5. 

6. 1.283

7. (a)

8. 

9. 24

10. 30 000

11. 10 000

12.  $70 \text{ m}^3$

13. 1.7, 0.17, 0.017

14. 3

15. 180

16. 20

17.  $\frac{4^7}{5} = \frac{5^2}{5}$

18. 4.20 pm (following day)

19. 350 m

20. 30 km

## THURSDAY

1. 711

2. 15
3. C
4. 0.05, 0.005
5. 12
6. 2.00, 2.10
7. (b)
8. 16
9. 19
10. 34
11. 16
12. true
13. 5.1
14. 27:9 or 3:1
15.  $70 \text{ m}^2$
16. (b)
17. 48
18. 51
19. false, false, false
20. \$8.85

## FRIDAY – page 85

1. 1.40
2.  $\frac{1}{4}$
3. 2.06
4. 3.0
5. \$9
6. 34
7. 5.1
8. 1 000 110
9.  $42 \text{ m}^3$
10. A
11. 23.6
12. 9
13. false
14. 15 000



16. 2352

17. no

18. 120

19. 2100

20.  $(7 \times 8) \div (4 \times 2) = 7$

21. 10.48 pm

22. 24


23. 7.5 cm

24. 0.07

25. 16

## WEEK 8 – pages 16–17

## MONDAY


1. approx. 10.47
2. 0.08, 0.008
3. 37
4. 5500
5.  $\frac{2^2}{3}$
6. 500
7. 4300
8. 

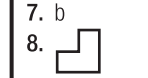
9. 3, 5

10. 13

11. 566
12. 2610
13. 3.176
14. 121
15. 243
16. 310
17. (b)
18.  $200 \text{ cm}^2$
19. (b)
20.  $\frac{2}{6}$  or  $\frac{1}{3}$

## TUESDAY

1. 40
2.  $\angle x = 150^\circ, \angle y = 30^\circ, \angle x + y = 180^\circ$
3. 8100
4. 90 m
5. 17
6.  $\frac{4^2}{5}$
7. b
8. 
9. 3
10. rhombus
11. 2 250 000
12. 5.5, 0.55
13. 160
14. 22
15. 1000 kg
16. 42, 4.2
17. 41 000
18. 5, 7
19. 12



9. 3

10. rhombus

11. 2 250 000

12. 5.5, 0.55

13. 160

14. 22

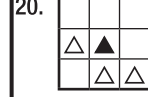
15. 1000 kg

16. 42, 4.2

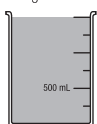
17. 41 000

18. 5, 7

19. 12



## WEDNESDAY

1.  $180^\circ, 360^\circ$
2. 160
3. 38 000
4. 9.02
5. dodecahedron
6. 0.458
7.  $5^{14}/10 = 6^4/10$  or  $6^2/5$
8. C
9. 9
10. 35 mm
11. 20
12.  $\frac{5^2}{3}$
13. 

14.  $\div$

15. 1 000 005

16. 180 m

17. 5

18. 8 pm

19. 12

20. 1 in 6 or  $\frac{1}{6}$

## THURSDAY

1. 5,  $540^\circ$
2. 1.20 am (following day)

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

- icosahedron
- 1 000 000
- 5, 11
- 2.3, 2.05
- 
- 15      9. 90
- $\frac{1}{2}$       11. 24
- $180^\circ$
- 1 000 007
- 10
- 36
- 2.84
- 24, 25
- 100
- 4.2
- 10 out of 30 or 1 out of 3 or  $\frac{1}{3}$

## FRIDAY – page 85

- 11, 13 or 19, 5
- 9.08
- 150 m
- $\frac{3}{6}$  or  $\frac{1}{2}$
- 900
- 1000 cm<sup>2</sup>
- 8
- 4.01
- 3.00
- 6
- ÷
- 70
- b
- 25 mm
- 6.20
- 12.033
- 1 000 010
- $4\frac{3}{5}$
- 30
- 575
- 8
- 4 out of 52 or 1 out of 13 or  $\frac{1}{13}$
- a
- $8\frac{16}{10}$ ,  $9\frac{6}{10}$  or  $9\frac{3}{5}$
- 24

## WEEK 9 – pages 18–19

### MONDAY

- 12
- 4.09, 0.409
- 4
- 18th
- 2.935
- 100
- 7000
- 88
- C
- 190
- 2 200 000
- 17, (c)
- 

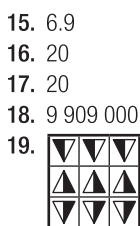
- 750
- 
- (b)
- A = 50 mm
- 2310
- 9700
- 7850

### TUESDAY

- 112
- 15:5 or 3:1
- (b)
- 49
- $8\frac{20}{10} = 8 + 2 = 10$
- 7
- $\frac{1}{10}$
- 14 m
- 8.1

10. (c)

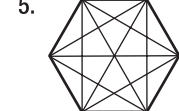
- 10
- 0.003
- 24 m<sup>3</sup>
- 
- 6.9
- 20
- 20
- 9 909 000



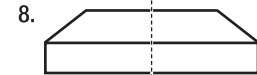
20. 72 km

### WEDNESDAY

- 0
- 0.5 or  $\frac{1}{2}$  or 50%
- 100
- $\frac{2}{5}$
- 



- 9.01, 0.901
- 727



9. a

- 60
- 50
- 5
- 15 min.
- 999 985
- 3
- 
- 50c
- 20
- 10 000

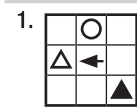
20. (a)

### THURSDAY

- approx. 9.56
- 6.10
- $360^\circ$

- (a) 1521
- 0.75
- 9
- 11.40 pm
- 50
- 5.6
- triangular pyramid
- 373
- 3 010 000
- $8\frac{10}{7} = 9\frac{3}{7}$
- 12:4 or 3:1
- \$7.65
- 85c
- 
- 28
- 5.5
- 8

### FRIDAY – page 86



- $\frac{1}{10}$
- 0.001
- 1140
- 60 km
- 260 mm
- 5640
- 3.95
- 16th
- $\frac{5}{8}$
- 1.35 am
- 100
- 43 000
- $11\frac{1}{7} = 12\frac{4}{7}$
- 11.53 am
- 

- 6.1
- 9
- square pyramid
- 12
- 2 040 000
- (b)
- 120 m<sup>3</sup>
- 20:5 or 4:1
- 0

### WEEK 10 – pages 20–21

### MONDAY

- 4
- 19 500
- 4
- 200 km/h
- 6
- 8
- 100
- $a = 30^\circ, b = 150^\circ$
- 120
- 45
- 70

- 9.07
- odd, even, odd
- (c)
- 4.2
- 40
- 1000, 1500
- 0.4 sec.
- 9
- $\frac{3}{6}$  or  $\frac{1}{2}$

### TUESDAY

- 11.28
- 3
- 250
- $14 = 5600$
- 55
- 1, 2, 3, 4, 6, 12
- 20
- 21:7, 3:1
- 4 out of 20 or 1 in 5 or  $\frac{1}{5}$  or 0.2 or 20% or  $\frac{1}{2}$

10. ~~487~~

- odd
- 5.4
- 
- 52 mm
- 800 kg
- 36
- 23.9
- 72
- 1.6, 0.16, 0.016
- 0.3

### WEDNESDAY

- 7.24
- 0.001
- 8
- even or 0.5 or 50% or  $\frac{1}{2}$
- A, E
- 16 500
- 4.08, 0.408
- A
- odd
- 150 km/h
- 1950
- 20
- 2.45
- 68 000
- 220
- 40      17. 12.1
- 66      19. x
- 1000

### THURSDAY

- $90^\circ$
- 160
- 96
- 5 cm
- 12.3
- $\frac{3}{4}$
- 1 070 000
- 2
- 5.1
- hemisphere

- 2
- 10 am
- 1, 2, 3, 4, 6, 8, 12, 24
- 360
- 19th
- 2.25 Thursday
- true
- (a)
- 1100
1. Alexander  
2. Antonio  
3. Anthony

### FRIDAY – page 86

- (d)
- B
- 200
- 

- 8 km
- 2.5
- 2.8
- 7.215
- 1.5
- 1.1
- 60
- 29 000
- 4.4
- 200
- 36 cm
- x
- 20
- 8.001
- 40 m<sup>3</sup>
- $115^\circ$
- hemisphere
- 1000
- odd
- 1 000 010
- (b)

### WEEK 11 – pages 22–23



### MONDAY

- 
- 24
- 
- one hundred and one thousand, one hundred and one
- 0.07
- b
- 112
- 4
- 440
- 8 pm
- $\frac{4}{8} = \frac{1}{2}$
- 3700
- 45 mm
- yes
- 36

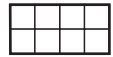
# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

- \$5
- no
- 20 January
- 24
- \$2, 50c, 20c, 10c  
(a) Royal Australian Mint


## TUESDAY

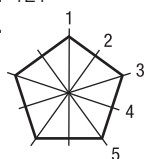
- 
  - cold
  - 390
  - 7, 70
  - 405
  - 104
  - 112
  - 
  - 10, 11
  - 36 km
  - yes
  - 76 510
  - b
  - \$45.50
  - $\frac{1}{5}, \frac{1}{2}, \frac{2}{3}, \frac{4}{5}$
  - 9 February
  - $\frac{5}{10} = \frac{1}{2}$
  - $\frac{4}{3} = 1\frac{1}{3}$
  - 20 000
  - $\frac{3}{4}$

## WEDNESDAY

- 11, 29 or 3, 37 or 17, 23
- 28, 7
- 54
- 1.01
- 
- 8.91
- 30
- $\frac{9}{12} = 0.75$  or  $\frac{3}{4} = 0.75$
- yes
- 2 am
- $\frac{4+1}{6} = \frac{5}{6}$
- 0 °C
- 0.3, 30%
- 2925.4
- 2.4
- 47 mm
- 48 km
- 50 000
- 1 600 000, 1 060 000
- unlikely

## THURSDAY

- 18
- $\frac{10}{12} = \frac{5}{6}$
- 4  

- b
- 200

- false
- 4
- 70
- 121
- 
- 180°
- 42
- A
- 100 °C
- 12
- 0.29
- 1000
- 50
- 0.008, 0.08, 0.8
- 3DAT 9900

## FRIDAY – page 87

- 13, 17 or 7, 23 or 11, 19
- 90
- 6.3
- $\frac{6}{5} = 1\frac{1}{5}$
- 1.5
- 11 pm
- 35
- \$3
- 97 541
- no
- 19 February
- 34 mm
- 42 km
- A
- 10
- 170, 17
- 6 ha
- true
- 
- 3
- 0.32
- yes
- 1979
- even
- B, A, C, D



## WEEK 12 – pages 24–25

### MONDAY

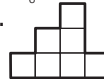
- 35
- 1 000 001
- 4
- 11.30 am
- 6
- 32
- $\frac{3}{8}$
- 26
- square pyramid
- 70%
- 70, 140
- 1900
- no

- 2.012
- 100
- $3\frac{2}{5}$
- 1000, 1500
- 115
- 100
- 200 000 m<sup>2</sup>


## TUESDAY

- XXZ000
- $b = 60^\circ, c = 55^\circ, a = 65^\circ$
- 105
- 19 February
- 9, 90
- one million, one hundred and ten thousand, one hundred and one
- 80
- A
- $\frac{7}{10}, 70\%$
- yes
- 
- 3100
- 100 km
- 500 m
- 
- \$16
- 42
- 6
- \$43.50
- 2.75

## WEDNESDAY

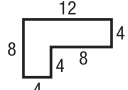
- 44 min.
- 10.30 pm
- 17
- $\frac{5}{6}$
- 
- $\frac{9}{10}$
- 54
- triangular prism
- 9 (add  $[8 + 10] \div 2$ )
- 90°
- circle
- 384
- $\frac{5}{20} = \frac{1}{4}$
- 2.97, 0.297
- 82
- 360°, 540°, 720°
- 2
- 1 March
- $8\frac{8}{5} = 9$
- 72

## THURSDAY

- 40 minutes
- 
- 4

- 9
- 11.30 pm
- $(20 \times 10) + (7 \times 10) + (20 \times 2) + (7 \times 2)$
- 1 000 006
- $\frac{4}{16} = \frac{1}{4}$
- 11, 11
- 120°
- 1 ABB 000
- $\frac{1}{4}$
- 140
- $\frac{3}{6}$
- 25 km
- 12
- 50°
- 5.5
- 6.1
- 1:100

## FRIDAY – page 87

- 42 min.
- 10
- 100
- yes
- 2.30 am
- 20
- 7
- $\frac{3}{10}$
- \$41.50
- \$14
- 80
- 4.96
- 0 °C
- B
- 0.24
- $\frac{3-2}{4} = \frac{1}{4}$
- 54
- 1 000 006
- decagon
- $\frac{3}{15} = \frac{1}{5}$
- $(30 \times 10) + (4 \times 10)$   
 $(30 \times 8) + (4 \times 8)$
- 5100
- 
- 70°
- 110 km


## WEEK 13 – pages 26–27


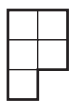
### MONDAY

- 12.12
- 7
- 10
- 13 000
- 6.07
- 3 r 1 or 3.2
- $\frac{1}{100}$
- 0.10
- B
- $\pi \times r^2$
- 100
- 40

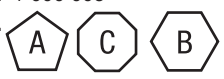
- $(40 + 6) \times (30 + 5)$   
 $(40 \times 30) + (6 \times 30)$   
 $(40 \times 5) + (6 \times 5)$
- 15 km
- (a) 2, 3
- 1650
- SE
- 10.30 pm
- false
- \$100, \$50, \$20, \$10,  
(c) Reserve Bank of Australia

## TUESDAY

- 3.37
- summer
- $\frac{1}{3}$
- 1, 0.25
- 111 011
- 5
- $\frac{2}{100}$
- 12
- 0.33
- 


- 3.993
- 1999
- 54 mm
- NW
- 
- 15
- $\frac{1}{4}$
- 100 000
- 270 mm
- 

## WEDNESDAY

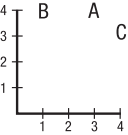

- 1000
- (b)
- \$160
- 177
- $(30 + 6) \times (30 + 9) =$   
 $(30 \times 30) + (6 \times 30) +$   
 $(30 \times 9) + (6 \times 9)$
- 145
- 3r.3
- Yes
- $\frac{5}{100}$
- summer
- 2.783
- 360°
- 12.30 am
- $\frac{4}{10}$
- 100
- $\frac{3}{10}$
- 1 000 005
- 
- $2\frac{5}{6}$
- Teacher check

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

## THURSDAY


- 4.08
- 31 March
- 3
- 15 cm
- 2
- $\frac{4}{5}$
- 9%
- 16
- 62
- 22
- 1000
- 1000 L
- 9.999
- 
- 75 000 m<sup>2</sup>
- true
- false
- \$31.50
- 2, 3
- D = 30%  
E = 40%  
(b) 0.4

## FRIDAY – page 88

- 1000
- $\frac{13}{5}$
- $\frac{9}{12} = \frac{3}{4}$
- $\frac{7}{10}$
- 100
- 32 mm
- 20
- false
- 9.998
- 505 055
- 5.296
- 12.30 am
- 60
- 20
- A, D
- 1994
- $\frac{1}{4}$
- 
- true
- 4.07
- 8 m<sup>2</sup>
- 35 000 m<sup>2</sup>
- NE
- 1000 L
- 

## WEEK 14 – pages 28–29

## MONDAY


- 3.55
- $\frac{1}{2}$
- 
- (b)

- 1
- 2.4
- 93
- Any pentomino except ...
- 1:3
- 160
- 14
- $18\frac{4}{3} = 19\frac{1}{3}$
- |     |     |     |
|-----|-----|-----|
| A   | B   | C   |
| 400 | 420 | 410 |
- 0.25, 25%
- $\frac{2}{3}$  or  $\frac{1}{2}$
- 0.1
- south-east
- 36 cm<sup>2</sup>
- 11.30 pm
- 2, 2, 2

## TUESDAY


- 12.50
- 35 mm
- false
- 30
- 30
- 20
- 155
- 600 km
- 9.991
- 0.2 + 0.05
- CCA 000
- 48
- 11
- SW
- 210 km
- 280
- 130
- $\frac{1}{3}, \frac{2}{5}, \frac{1}{2}, \frac{3}{4}$
- $\frac{1}{2}$
- 100 000 m<sup>2</sup>

## WEDNESDAY

- C
- 1.998
- 12
- 1 020 000
- 
- 4
- 21 March (365 days) or 20 March (366 days)
- $y = 80^\circ$
- 85
- E
- 2.5 ha
- C
- 216
- $\frac{1}{2}$  or 0.5
- 1
16. 68 mm
- $\frac{5}{6}$
18. 0.1
- 16
20. 2.5 L



## THURSDAY

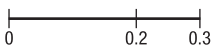
- 24
- 58
- 12 am
- true
- 3, 7
- 42
- 6
- 5, 23 or 11, 17
- 9 April (365 days) or 8 April (366 days)
- $a = 15^\circ, b = 165^\circ$
- 10
- 18
- 4
- 
- 40
- \$12.50
- six million, two hundred and eighty thousand
- 9
- 64
- 16


## FRIDAY – page 88

- 120
- 12:25
- 1.997
- 
- 
- 4
- 2.25 L
- 64 000
- \$4.50
- 42
- 32
- 3.5
- 11 March (365 days) or 10 March (366 days)
- 75°
- 40 mm by 55 mm
- 32
- $9\frac{6}{4} = 10\frac{2}{4} = 10\frac{1}{2}$
- $\frac{2}{4}$  or  $\frac{1}{2}$
- 67
- 
- $\frac{1}{4}$
- \$17.60
- 11.30 pm
- C
- |        |        |        |
|--------|--------|--------|
| A      | B      | C      |
| 380 mL | 405 mL | 0.41 L |

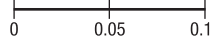
## WEEK 15 – pages 30–31

## MONDAY



- 7:25.05
- true
- 
- 3:30 am

- (a) 1.9 million  
(b) 1.09 million
- $\frac{73}{7}$
- 0.002
- A
- 12 out of 52 or 3 in 13 or  $\frac{12}{52}$  or  $\frac{3}{13}$
- (b)
- 20
- 135°
- $5\frac{12}{10} = 6\frac{2}{10} = 6\frac{1}{5}$
- 0.734
- 4.2
- 
- $a = \pi \times r^2$
- 160
- 30 Dec
- (b)

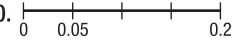
## TUESDAY

- B
- one million, two hundred thousand
- $\frac{2}{3}$
- 2.999
- true
- \$10
- 10
- 1XZZ 000
- 
- 1 000 000
- 5000 L
- 7
- 63
- 11 m
- 7.8
- (d)
- 8.07 18. 48
- true 20. a




## WEDNESDAY

- 8:05.45
- 2.35
- 19.992
- 999 990
- A
- 20
- 2.45
- 11.30 am
- 68
- NW
- 24 x 4, 96
- 1.5 m
- 100
- 75
- 
- \$12.50
- 
- 29%
- 40
- C

## THURSDAY


- A
- 29 December
- 35°
- 16, 36
- \$80 000
- 2, 2, 3
- 4
- 210 000
- 75 cm<sup>2</sup>
- 
- DFA000
- 22
- 120
- no
- 75 km
- 0.885
- \$25
- $y = \frac{1}{2}$
- US \$160
- A, E

## FRIDAY – page 89

- 
- 5
- 120
- 1.991
- US \$250
- 116
- $5\frac{13}{10} = 6\frac{3}{10}$
- \$10
- B
- 11.30 pm
- 86
- b
- 100
- 8000 L
- 35°
- 40
- 
- 0.15
- 
- false
- no
- 3XFA 000
- 2.9
- 25 km
- 90 000

## WEEK 16 – pages 32–33

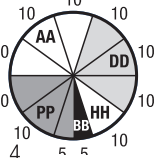
## MONDAY

- 1.05.50
- false
- dodecahedron
- 8.4, 0.84
- 8.4
- 20
- 5, 7
- 



# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

- \$1.25
- 61
- $\frac{1}{5}$
- 35 170
- 144
- 6000
- 100
1. Sonya  
2. Alicia  
3. Kate  
4. Linny
- no
- 1 mL
- 1000:200 or 10:2 or 5:1
- 10 pm

## TUESDAY



- $10 + 2 \times 3$
- 3.1
- 28
- 410 000
- $(20 \times 30) + (7 \times 30)$   
 $(20 \times 8) + (7 \times 8)$
- 0.255
- 6
- south
- a
- $65^\circ$
- 25
- \$1.75
- 
- 4
- 19 990
- 16 December
- (a)
- 1101
- 32
- 6800

## WEDNESDAY

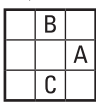


- $10 + 2 \times 7$
- $\frac{7}{9}$
- 58
- \$1.25
- 
- 9.996
- 10 000 L
- $1\frac{1}{2}$
- 0.2 or 1 in 5 or 20%  
or  $\frac{2}{10}$
- 6000 g
- $\frac{9}{10}$
- 27
- 4.1 ha
- Orange, Kedron
- 0.309
- 
- 100 000

- 32 m<sup>2</sup>
- true
- \$66

## THURSDAY



- 2.08.35
- 3rd
- 6
- \$15
- 110
- 6r4
- 122%
- 21
- 82.5
- 
- 999 993
- $9\frac{6}{4} = 10\frac{2}{4} = 10\frac{1}{2}$
- 5
- 
- 29
- 2115
- \$38.75
- 22 000 m<sup>2</sup>
- 1300
- 30 km

## FRIDAY - page 89

- 10 pm
- \$36.95
- $9\frac{6}{4} = 10\frac{1}{2}$
- $5\frac{9}{4} = \$2.25$
- 
- 6
- 39170
- 36
- 
- 7.2 ha
- 9.993
- \$63
- $\frac{1}{2}$
- decagon
- 2
- $\frac{3+2}{4}$
- 18.5
- $12 \times 2$  or  $8 \times 3$  or  $6 \times 4$
- 
- 201
- $40^\circ$
- 0.207
- 4 out of 52 or 1 in 13 or  $\frac{1}{13}$  or  $\frac{4}{52}$
- 0.15
- 2000: 200 or 20:2 or 10:1

## WEEK 17 – pages 34–35


### MONDAY

- 
- 12
- A, D
- 160 000
- (b)  $\frac{1}{2}$
- 2.87
- 8.7
- 
- 18
- 24
- B
- 135%
- C
- 3 in 12 or 1 in 4 or  $\frac{3}{12}$   
or  $\frac{1}{4}$  or 0.25 or 25%
- 1 000 011
- 0.05
- 95
- 10
- 60 km/h
- 0.003, 0.011

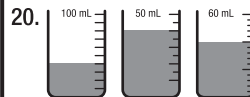
### TUESDAY

- Wednesday
- $\overline{AB} = 37$  mm  
 $\overline{BC} = 25$  mm
- $\frac{22}{7}$
- $\div$
- 28 500
- 23 000 m<sup>2</sup>
- 0.14
- 8 cm
- $6 \times 2 \times 5$
- 202%
- 18
- 320 m
- true
- $90^\circ$
- d
- 20
- 0.125
- 72
- 30
- 2 130 000



### WEDNESDAY

- 2325
- 14
- \$3.75
- 49 cm<sup>2</sup>
- 108
- 28
- (a)
- 
- $\frac{2}{3}$
- $\frac{1}{2}$
- $7\frac{1}{4}$
- $130^\circ, 130^\circ$
- 1000 or  $10^3$
- 5 m
- 46





- 35
- 1.00
- 111 010
- 72



### THURSDAY

- 
- 
- 1 pm
- 7.4
- $9 + 5\frac{1}{4} = 10\frac{1}{4}$
- \$8
- 10 000
- 33
- 81
- octagon – C  
hexagon – D  
pentagon – B
- XZA 000
- 1 000 010
- 56
- \$2100
- 48 km/h
- 205 000
- 3 000 000
- 12
- 25, 0.25
- 5

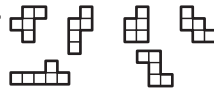

### FRIDAY – page 90

- 
- $\frac{4}{7}$
- 304%
- 0.15
- \$50
- a
- 6.30 pm
- 36
- 5 000 000
- 20 mm
- 105
- A
- 25
- 9 m
- 
- 0.605
- 
- 3 160 000
- 
- 15
- \$4.25
- 140

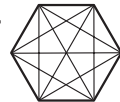
- 45 km/h
- Friday
- 63

## WEEK 18 – pages 36–37

### MONDAY

- 34
- 300 000
- no
- 2, 96
- true
- $\frac{1}{20}, \frac{1}{200}, \frac{1}{20}$
- 6.2
- \$12
- 52
- 49
- $9\frac{1}{4}$
- 31
- 
- false
- 116
- 0.4
- 
- 19, 1.9
- $\frac{6}{5}$  or  $1\frac{1}{5}$
- $A = 5$  mL

### TUESDAY

- 24
- 60 mm
- 12
- 11.5
- 84
- 10 110 000
- 24.997
- 72 km/h
- 24 out of 52
- 
- \$25
- 155
- 100 000, 600 000
- decagon
- 19 February
- 202
- $\frac{2}{10}$  or  $\frac{1}{5}$
- $(8 \times 7) \div 2$  or  $(14 \times 4) \div 2$
- 81
- 4500

### WEDNESDAY

- 15
- 220 000
- $\frac{3}{4}$
- 900 000
- 20
- 4200
- true
- $160^\circ$

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS


- 16
- 105
- 8 060 000
- 3.5
- 12

14. 

25		
		75
50		

- 100%
- 7, 23, or 11, 19 or 13, 17
- 500
- 10.5 t
- $\frac{1}{10}$
- 89 ha

## THURSDAY

- 110 min or 1 hr 50 min.
- 200:500 or 20:5 or 4:1
-  , 8
- 60
- 1 000 004
- 100
- true
- $5\frac{1}{4}$
- 28 out of 52
- $310^\circ$
- 0.007, 0.07
- 100
- 230
- 9
- 100 000
- 8, 24
- $3\frac{3}{4} = \$0.75$  or 75c
- 19
- 10 000 mm
- 54 (multiples of 6, starting from 6)


## FRIDAY – page 90

- $\frac{4}{13}$  or 16 out of 52
- 0.6
- true
- 11.5 t
- $210 \text{ m}^3$
- 390 000
- $\frac{1}{4}$
- 84
- 1.7
- 7.3 ha
- 256
- $8\frac{12}{10} = 9\frac{2}{10}$  or  $9\frac{1}{5}$
- 175
- \$0.75
- 268
- 3, 17 or 7, 13
- 20
- 0.8, 0.008, 0.08
- $260^\circ$
- 3.10 pm
- 190
- 63

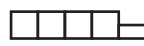
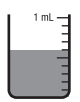
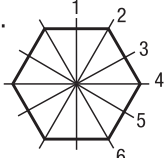
- 90 mm
- 18
- 6 (magic square adding to 45)

## WEEK 19 – pages 38–39

### MONDAY

- 6.10
- 84
- $3\frac{1}{2}$  hrs
- 30
- 950 000
- 210 000
- $8\frac{2}{3} = 9$
- $70^\circ$
- 41
- 1000
- 233
- B and D
- 52
- 0.3
- 20
- false
- 
- TT, HH, TH, HT
- 15.4, 155.4
- 5 pm

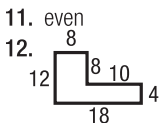
### TUESDAY

- 5.38 pm
- 15 m
- 92
- 80
- 30
- 318
- Wednesday
- 10.30 am
- $a = 45^\circ$
- 0.5
- 37 000
- 64, 640 000
- 
- 50c
- 
- 5
- 84
- 12
- 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
- 

### WEDNESDAY

- 11, 11 or 3, 19 or 5, 17
- 69 000
- 20
- 20 m
- 1 909 000
- 100

- 2
- $x = 89^\circ$
- $y = 125^\circ$
- yes
- even




- \$1
- 1860
- 1




- 800 000
- 3.74
- |   |   |   |
|---|---|---|
| Δ | X | A |
| Y |   |   |
|   |   |   |
- 100 000 m<sup>2</sup>

### THURSDAY

- $\frac{2}{3}$
- 9
- parallelogram
- 4
- (b)
- $0.75 = 75\%$
- 96
- \$18.35
- true
- 9 m
- 190 000
- 108
- 121
- 
- 45 mm
- 0.5
- $9\frac{6}{5} = 10\frac{1}{5}$
- 5500
- |               |     |                |                |
|---------------|-----|----------------|----------------|
| $\frac{3}{4}$ | 0.8 | $\frac{19}{5}$ | $1\frac{2}{3}$ |
|---------------|-----|----------------|----------------|
- $\frac{2}{4}$  or  $\frac{1}{2}$

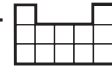
### FRIDAY – page 91

- 3
- 999 985
- 50c
- $0.42$  or  $42\frac{1}{100}$
- 400
- $6\frac{1}{2}$  hours
- 1 001 010
- 295
- 10:50 pm
- $a = 121^\circ$
- 600
- Saturday
- 108
- 355
- $105^\circ$
- 10
- |  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|
- yes
- 7.08



- 0.75
- 
- 99.995
- 6.1 m
- 8
- 10 m

## WEEK 20 – pages 40–41

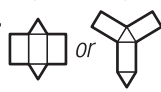
### MONDAY

- 12.45 pm
- b
- isosceles
- Saturday
- 710
- $10 \text{ cm}^3$
- 2
- 1.4
- 
- $3\frac{1}{7}$
- (b)
- $0.1 + 0.07$
- 15 cm
- (a) 50 000  
(b) 100 000  
(c) 200 000
- $9\frac{4}{4} = 10$
- 2.30 pm
- 3000 m or 3 km
- odd
- 5
- 0.005

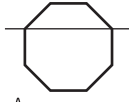
### TUESDAY

- 3.20 pm
- $10 \overline{)700}$
- 3 min. 20 sec.
- 355 000
- 24, 4
- 538
- 24
- 7000 m or 7 km
- 54
- 
- 35
- 90
- 
- 10:1
- 8
- 15
- 837
- 8 195 000
- (a) 0.60  
(b) 5.00  
(c) 90  
(d) 19.8  
(e) \$21.20
- 38

## WEDNESDAY

- 9 February
- 32
- 80
- $3\frac{4}{9}$
- 80
- 3, 29 or 13, 19
- 22
- $15^\circ$
- 0.6
- true
- 47
- 10 000 L
- (b)
- \$3.80
- 30, 5
- 51
- regular nonagon
- 
- 12 m
- C, A, B

## THURSDAY

- 35 cm
- 
- A
- 20
- true
- 40 kg
- $\frac{4}{8}$  or  $1\frac{1}{2}$  or 0.5
- 85
- 39.92
- scalene
- no
- 132
- 200
- 10 m
- 1 400 000
- 91
- \$20.65
- d
- 26 000
- 12 pm

## FRIDAY – page 91

- 45
- (a)
- 48
- scalene triangle
- 6 237 000
- B
- $10\frac{1}{4}$
- b
- 129
- 100 000 L
- false
- 20, 5
- 9
- A
- 499.991
- 10.00
- yes





# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

## THURSDAY

- 0.2, 20%
- 20 m
- semicircle
- $180^\circ$
- 84
- 11
- \$100
- $1\frac{1}{5}$  or  $2\frac{2}{5}$
- $x = 55, y = 55$
- no
- $2\frac{2}{5}$
- 7.093
- 17
- 
- 10 m
- 4800
- 0.007
- 4
- 6.30 or 6.33
- 0400

## FRIDAY – page 93

- 8.090
- 100
- 9
- 57
- $4\frac{3}{5}$
- false
- 2 am
- 100 000
- (a)
- 
- ÷
- \$62.50
- 1021
- 5000
- 400
- $\frac{1}{3}, \frac{3}{10}, \frac{1}{5}, \frac{1}{100}$
- $60^\circ$
- 4.48
- yes
- 2
- A\$100
- pentagonal prism
- 8
- 0205
- 90 km/h

## WEEK 24 – pages 48–49

### MONDAY

- 3.00 or 9.00  
(NOT 3.15, 9.15, 5.45 or 11.45 as hour hand does not sit on 6 or 12.)
- 400 m
- 
- $2\frac{2}{3}$
- 0.25, 0.025
- 1.00
- $\frac{4}{5}$
- 40 kg

- (a)
- 8.979 kL
- 0.3
- $8\frac{7}{5} = 9\frac{2}{5}$
- \$48
- 201
- $5\frac{2}{5}$
- $60^\circ$
- 10
- no

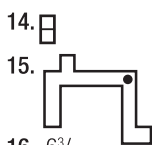
		9
36	81	
	54	

- 4.35 pm Sunday

## TUESDAY

- 15 000
- $12 \text{ m}^2$
- 80
- $\frac{6}{7}$
- 12 750 000
- 60
- 13.27
- 27 km/h
- square pyramid
- $\overline{AB} = 16 \text{ mm}$   
 $\overline{AC} = 35 \text{ mm}$

- 0.6
- 7.086 t
- 



- $6\frac{3}{10}$
- 20
- 36
- 18th
- 250

## WEDNESDAY

- 41 minutes
- 63
- 901
- 112 088
- 0.8
- 5
- $\frac{1}{4}$
- cylinder
- 27
- 20

- $27 \text{ m}^3$
- 112 215
- B
- 301
- 9.005 L
- 9 pm
- $135^\circ$
- \$10
- yes
- (a)

## THURSDAY

- 0.1
- Thursday 11.10 am
- 36 L

- 121
- 2.57
- (b)
- 240
- $9\frac{4}{3} = 10\frac{1}{3}$
- 201
- $45^\circ$
- 130
- 3:4
- 4.035
- 
- 
- 200 mL
- $39\frac{1}{2}$
- $12\frac{3}{5}$
- a, b
- \$20

## FRIDAY – page 93

- 115 989
- 0.25
- 405
- 
- 80 m
- $\frac{1}{2}$
- $6\frac{3}{5}$
- 20
- 49

- 280
- 3.679 kL
- 500 mL
- true
- 55
- 31
- B
- 175
- $5\frac{2}{7}$



- 5.45 pm
- 
- 25 mm
- 7.017 km
- \$30
- 0.01 or 1% or  $\frac{1}{100}$

## WEEK 25 – pages 50–51

### MONDAY

- 7:40:40
- $\frac{3}{4}$
- $70^\circ$
- 63 000
- 4
- 1500 L
- 4.30 am
- $29\frac{2}{3}$
- yellow = 4, green = 8
- 0.75
- 0.05
- 6:45 pm
- $270^\circ$
- 77

- 8%,  $0.9 \times 0.1$ ,  $0.11$ ,  
 $1 \div 2$ ,  $0.2 \times 5$
- 76
- 
- 10 t
- 241
- \$1.65

## TUESDAY

- Tuesday 2.55 pm
- 1 000 000
- 700
- 64
- 121, 1210
- 1:2 (2:4)
- $\frac{1}{8}$
- 4
- $\frac{1}{5}$  or 5
- pentagonal pyramid
- 6
- 0.25
- 600 000
- 35
- 750 000
- 20
- 10
- 85.4
- 2335
- 16

## WEDNESDAY

- $\frac{1}{2}$
- 240 000
- Teacher check: any shape with five sides.
- 1201
- 3:5
- 60.385
- $\frac{1}{10}$
- 58
- 1 000 000
- 
- 7
- 16
- B
- 900, 900 000
- 1.25
- $y = 330^\circ$
- A, B
- 5 out of 15 or 1 in 3  
or  $\frac{5}{15}$  or  $\frac{1}{3}$  or 0.33 or 33%
- 110
- 19th

## THURSDAY

- 560 mm
- 100 km/h
- 4
- 7.3
- 30
- 5
- 34
- $8\frac{3}{3} = 9$
- Friday 12 am
- yes

- 990 000
- 6800
- 144
- meet
- 0.5, 0.1, 3%, 0.049
- 104
- 3, 5
- 10 m
- 20
- A = 1150 mL  
B = 1.2 L  
C = 1.1 L  
D = 890 mL

## FRIDAY – page 94

- 5 am
- 10 km
- 300
- $\frac{1}{8}$
- 40.275
- 261
- A and B
- no
- no
- \$1.50
- 0.004
- 132
- 100
- 3:1
- yes
- 2.25
- $60^\circ$
- 23
- 
- 9
- 99
- 280 000
- 17th
- 5

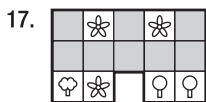
		35
42		
	7	21

## WEEK 26 – pages 52–53

### MONDAY

- 23 and 29 or 5 and 47  
or 41 and 11
- 400
- 3:7
- 61
- 0.9, 0.222, 0.11, 5%
- $\frac{4}{5}$
- 120
- 162
- icosahedron
- 650
- 2.0
- \$25
- \$55
- 40
- 56, 560
- 7 pm

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS



17. 1800 kg  
18. 42  
19. 6, 7

## TUESDAY

- 22 000
- 113
- Teacher check: any shape with six sides.
- 32 000
- 15 000
- 1750
- 2:3
- 450
- 5
- 7000
- Tuesday 1.30 am
- 700 000
- 50
- dodecahedron
- \$1.55
- 18
- Burra, Melton
- 54
- 15 350
- 10

## WEDNESDAY

- C
- Sunday 9 am
- $4 \times 4 \times 4 = 64$
- 6000.5
- 1, 2 or 5, 3, 4
- 9250
- 37 000
- $70^\circ$
- 1 000 000
- 4%, 0.5, 2,  $6\frac{1}{4}$
- 3
- 120
- 0.6
- 5, -4, -2, 0, 3, 8
- 9.1, 0.91
- 80
- $150^\circ$
- 105
- 7, 0.7



Shapes move two places anti-clockwise.

## THURSDAY

- $180^\circ$
- 2346
- 11
- 85
- \$200
- (b)
- 16 250
- $\frac{6}{7}$
- 36



- 23, 1.04
- 12 650
- 900 000
- 130
- 10.5 km
- \$160 000
- 500.5
- 857
- 26 December

		64
	108	
24		15

## FRIDAY – page 94

- 1.00
- 39 000
- 6
- 1810
- $\infty$
- 54
- 0.7
- 28 000
- 8
- no
- 13
- 8.93
- 9100 mm
- 2:2 or 1:1
- 20
- 16 720 kg
- \$200
- 52
- 26
- $13\frac{13}{8} = 14\frac{5}{8}$
- A
- \$360 000
- Wednesday 4.20
- \$70
- \$22.50

## WEEK 27 – pages 54–55

### MONDAY

- acute
- 200 mm
- 
- $\frac{83}{8}$
- 2100
- 3000
- 10, 10
- 244
- 1150
- 90
- 120 g
- 31
- Teacher check; e.g.
- same
- 24
- $a = 60^\circ, b = 120^\circ$
- 
- 30

- $540^\circ$
- \$15

## TUESDAY

- 12.50
- cube or pentagonal pyramid
- (b)
- 24
- 5
- $0.6, \frac{3}{4}, \frac{4}{5}, 1.2$
- yes
- $12 \text{ cm}^2$
- 2.69
- 500
- 1.4 L
- 0.3 kg
- 65
- 9
- sphere
- 46
- 2050.5
- 27
- 14 250 000



## WEDNESDAY

- 24
- 0.02
- 0.4
- 12
- 
- 36
- 20
- $85^\circ$
- 0.04
- yes
- 48
- $90^\circ$
- 25.2
- 545
- $\frac{3-2}{4} = \frac{1}{4}$
- \$2.10
- 25
- 43 mm
- x
- 15th century

## THURSDAY

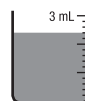
- triangular prism or square pyramid
- $\frac{1}{3}$
- (a)
- 40
- 5 buckets, 4 left
- 0.04
- 0.289
- 13
- $\frac{7}{4} = 1\frac{3}{4} = \$1.75$
- C, B, A, D
- $1\frac{1}{4} = 2\frac{3}{4} = \$2.75$
- 29.2

- 0.4 m
- $50 (\frac{6}{50}, \frac{20}{50})$

- Teacher check: any shape with eight sides
- 204
- 8
- 121
- 24 hrs 15 min
- railway lines, powerlines

## FRIDAY – page 95

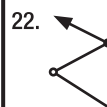
- 11.35 pm
- 1800
- Teacher check: any shape with six sides.
- 1200
- 0.02
- 12
- 5.5
- 701
- 393



- 27
- $63 \text{ m}^2$
- 0.35
- x
- scalene
- 83



- 0.8 kg
- $90^\circ$
- 3 033 500
- 510



- \$15
- $a = 50^\circ, b = 130^\circ$
- 36

## WEEK 28 – pages 56–57

### MONDAY

- 336
- 25
- heptagonal pyramid or hexagonal prism
- $7\frac{1}{9}$
- 2000
- A = 40 g B = 4000 g C = 4 g D = 400 g
- 1600
- 161
- 
- 0.065 L
- 1 250 000
- 4.045
- 250%
- 24 000  $\text{cm}^3$
- $100 \div 2 = 50$
- 1.30 am



- 60%
- $17 - 87$  or 70
- \$17.50

## TUESDAY

- $48\frac{1}{2}$  hours
- 24
- 1000
- 15
- 500
- \$210
- 14.018
- equilateral
- 100 mL
- 2
- 0.089
- $\frac{19}{4}$
- 3.7



- 791
- 10 000
- $90^\circ, 180^\circ$
- 2000
- 54
- true

## WEDNESDAY

- 32.016
- triangular pyramid
- $\frac{2}{3}$
- 31
- $180^\circ, 360^\circ$
- 194
- 49
- 35
- 64 km
- rhombus,  $360^\circ$
- $a = 120^\circ, b = 60^\circ$
- 9
- \$62.85
- 19 February
- 1 100 000



- 2, 2, 2, 3
- \$10.50
- 10 (complete addition before subtraction)
- 0.13

## THURSDAY

- 900 000
- 12 out of 52 or 3 out of 13 or  $\frac{12}{52}$  or  $\frac{3}{13}$
- 
- $28 \text{ m}^2$
- $a = \pi \times r^2$
- angles less than  $90^\circ$
- $4\frac{7}{20}$
- $0.8 = 80\%$
- 450
- 8
- $x = 120^\circ, y = 120^\circ$

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

- 3
- 7.1
- 
- \$70
- 20
- 0.035
- 0.52 kL
- $A = 8000 \text{ m}$     $B = 8 \text{ m}$   
 $C = 800 \text{ m}$     $D = 80$
- 

## FRIDAY – page 95

- pentagonal pyramid
- 864
- Any 3 of: A, B, C, D, E, H, I, K, M, O, T, U, V, W, X, Y
- 
- $47\frac{1}{2}$  hours
- 0.07
- 0.025 L
- 6
- 72
- $0.6 = 60\%$
- 902
- 

- 635
- 

- 350%
- 3, 7
- 36 000
- 0.14 m
- 15
- |   |   |  |
|---|---|--|
|   | 7 |  |
| L | J |  |
| L |   |  |
- \$80
- 4.30 am
- $A = 9 \text{ g}$     $B = 9000 \text{ g}$   
 $C = 900 \text{ g}$     $D = 90 \text{ g}$
- 56 km
- \$11

## WEEK 29 – pages 58–59

### MONDAY

- (c)
- 60
- hexagon
- 0.005
- 0.925
- 77
- 80 700
- 500
- 
- 5%, 0.99,  $3\frac{2}{3}$
- 14 000

- 1000 cm<sup>3</sup>
- 0
- 43
- 1000
- \$162
- 500
- 80c
- 2.75 sec.
- 0.002 kg

## TUESDAY

- 525
- 36
- 3 m
- 2250
- 54.12
- 50
- 267
- \$44
- rhombus
- Teacher check; e.g. money order, direct deposit
- 0.049
- 4.5, 2.5
- $\frac{19}{20}$
- size
- 44
- 14
- 1 kL
- $10 \times 10 = 100$
- Favourite dog names

Mutt	Tom	Bella	Bella	Mister
Tom	Tom	Bella Spike	Dog	Mister

- 7

## WEDNESDAY

- triangular pyramid
- 222
- (c)
- 60
- false
- 1.497
- $\frac{1}{2}$
- (5, 19) or (7, 17) or (11, 13)
- 0.4
- \$22.50
- $\frac{2}{5}$
- 100
- 1200
- 4 m
- 1000 mL
- 225, 675
- 0.15 t
- 190
- $48\frac{1}{2}$  hours
- |   |   |   |
|---|---|---|
| ← | ↓ | → |
| ↖ | ↘ | ↙ |
| ↗ | ↕ | ↖ |

## THURSDAY

- 7.54 am or 0754
- 130

- $y = 35^\circ$
- 5
- 175, 525
- 31
- 195
- 320
- 2.323
- $75^\circ$
- 4, 5
- 32
- 3.002
- SEAT**
- false
- 60
- 1.7 kg
- 0.007 m
- 17 000
- \$992

## FRIDAY – page 96

- \$1.75
- 0.268 t
- (a)
- 0.005 m
- 2 days, 2 hours, 20 minutes
- 275
- 120
- 2.726
- 5 m
- $65^\circ$
- 100 000
- 1000
- 901
- 25
- hexagon
- 71 000
- 2.34, 90%, 18%, 0.11
- 210
- true
- 0.185 kL
- $1.2 \text{ m}^2$
- \$70
- \$66
- pentagonal prism
- 100 L

## WEEK 30 – pages 60–61

### MONDAY

- 0.125
- $29\frac{1}{2}$  hours
- 210
- 0.8
- 350
- 500
- 20
- 270
- 750 m
- \$300, \$100
- 400
- 10 000 800
- no
- 84
- 540 cm

- 0.045 L
- \$42
- 6
- 1045
- 1417

## TUESDAY

- 
- 2354
- 1800
- century
- $0.75 = 75\%$
- \$240 000
- 3500
- 
- 550
- false
- 340 000
- $400 \div 4 = 100$
- 38 mm
- 280, 560
- 0.75
- 0.11
- C
- 318
- 180 mm
- pentahedron

## WEDNESDAY

- 1050 m
- 0.04 m
- 1.9
- E
- $25^\circ$
- 8 Feb
- 5
- 
- 0.2937
- kite
- 1.8
- 1
- 2:5
- 63
- 1st – Toon Army  
2nd – Tea Bags  
3rd – Gourmet  
4th – Delroy
- \$4000
- 0.044
- 40
- 
- 6

## THURSDAY

- $132 \text{ m}^2$
- 
- 9875
- no

- 1.5 kg
- $180^\circ$
- 111
- $9\frac{8}{10}$
- 1.1
- $315^\circ$
- $>0^\circ, <90^\circ$
- B
- 36
- 12
- 10.1
- 22 (do ÷ first)
- 
- \$70
- decade
- 8

## FRIDAY – page 96


- 1250 m
- 1.7
- 19 000
- no
- 170
- 3400
- 1:3
- 655
- 30
- 0.022
- |   |   |   |
|---|---|---|
| ↖ | ↗ | ↘ |
| ↓ | → | → |
| ↑ | ↖ | ↗ |
- 4.45 pm
- $7\frac{16}{20}$
- $250^\circ$
- 54
- 9.703 km
- 0.14 m
- 1 kg
- 6.0
- 1 200 000
- 0.4
- 160, 320
- 8.1
- 5.15 am
- \$250 000

## WEEK 31 – pages 62–63

### MONDAY

- 8:55:05
- 1.00
- 360 mm
- a
- 4000
- false
- 37
- 6.96
- $-3, 20\%$  of 4,  $1.21, \frac{2}{3} \times 2, 4^2 \times 0.1$
- \$25
- 13
- 25
- 13 mm
- Any three of: A, B, C, D, E, H, I, K, M, O, T, U, V, W, X, Y

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

15. 0.06
16. 200 mL
17. 
18. C
19. 363
20. 5.42

## TUESDAY

1. true
2. decagon
3. 16
4. 7.992
5. 300 000
6. 41
7. 1:2
8. 250 mm
9. \$19 500
10. b, z
11. 36
12. 21 000
13. 44 mm
14. 2100
15. 18
16. 750 ml
17. 550
18. 8
19. 42

20. 


	24	
	18	
22		21

## WEDNESDAY

1. \$98.10
2.  $40 \times 3 = 120$  or  $40 + 40 + 40 = 120$
3. 2.30 pm
4. 1.10
5. 100 000
6. 2050
7. 61
8. \$42 500
9. 0.001 m
10. yes
11. 1.1
12. **43E**
13. 13
14. 300 000
15. 37
16. saturday
17. 200
18. 43
19. 6

20. 
1. 2 hr 25 min.
  2. 35 mm

## THURSDAY

3. 
4. 8
5. 20
6. 42
7. 450 000

8.  $3\frac{1}{3}$  cups
9. 4.6
10. 2
11. false
12. 2.945, 2.845
13. 1 in 2 or 50% or 0.5
14. icosahedron
15. 0000
16. 100%, 10%
17. 0.001
18. 21
19.  $360^\circ$
20. 8:4 or 2:1

## FRIDAY – page 97


1. 1 hr 22 min.
2. 25 600
3. 400 000
4. false
5. 7.995, 7.95
6. 38 mm
7. 10%
8. 420 000
9. 41
10. 1600 mL
11. 16
12. 100 000
13. 4.93

14.  $n = 5$

15. \$37 500



16. 

	33	
25	28	
		30

17. \$65
18. 54
19. 
20. 760
21. 401
22. yes
23. 6.5
24.  $360^\circ$
25. 0010

## WEEK 32 – pages 64–65

### MONDAY

1. 1000
2. 8
3. 
4.  $2\frac{5}{4}$
5. 10 512 015
6. 80c
7. 100 000
8. 225
9. 1 mm
10. 0.01 or  $\frac{1}{100}$
11. 100
12.  $2\frac{2}{5} = 3\frac{3}{5}$
13. 
14. 2000
15. 1
16.  $1\frac{8}{7}$

17. ~~SAC~~
18. 48 000 cm<sup>2</sup>
19. ≈\$400 or \$384
20. 3.00 am

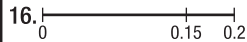
## TUESDAY

1. 25
2. 3 650 000
3. \$60
4.  $3\frac{1}{4} = 7\frac{3}{4} = 7.75$
5. 990
6. 6050 m
7. 255
8. \_\_\_\_\_
9. 60 mL
10. 72 km/h
11. 0.01
12.  $8\frac{1}{6}$
13. 6, 7
14. 20 m
15. 603 km
16. 15
17. 1
18. \$18.25
19. true
20. 2-D

## WEDNESDAY

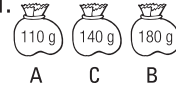

1. 4.45 pm
2. 8 200 000
3. 1:4
4. 7092 mL
5. 15 km/h
6. C, Z
7. 6.01
8. 20 m
9. 20 000
10. A, C
11. 3, 47 or 7, 43 or 13, 37 or 19, 31

12. yes
13. 54
14. 15
15. 70




17. \$36.45
18. 1%, 0.1,  $\frac{5}{10}$ , 0.99
19. 16
20. 859

## THURSDAY

1. 
2. (c)
3. ~~TCA~~
4. 6.993
5. 54
6. 10
7. 4 640 000
8. 1:6
9. 4200
10. 

11. 8:24 or 1:3
12. 1250 g
13. 125
14.  $40^\circ$
15. 19 February
16. 11th century
17. 130 000
18. 8:10 or 4:5
19. 415 000
20. 1.25 t

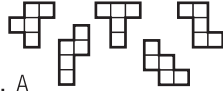
## FRIDAY – page 97

1. 1 000 000
2.  $\frac{5}{6}$
3. 1
4.  $55^\circ$
5. 
6. 15
7. 96 000
8. b
9. 16.18
10.  $6\frac{2}{3} = 7$
11. 12
12. 10
13. \$50
14. ~~3ET~~


15. 81
16. \$48.15
17. 60
18. 2.075 m
19. 0.01 or  $\frac{1}{100}$
20. 10 pm
21. 1500 m<sup>2</sup>
22. 155
23. 3100
24. 15 km/h
25. 1.75 kg

## WEEK 33 – pages 66–67


### MONDAY

1. 10 °C
2. 765
3. (c)
4. 240 000
5. 41, 43, 47
6. 16.018
7. \$12.50
8. 81, 9
9. 1
10.  $7\frac{1}{2}$
11. (b)
12. 56
13. Wednesday 8.35 am
14. 0.8
15. (a)
16. 45
17. Teacher check; e.g. 
18. A
19. 423
20. 7205 g



## TUESDAY

1. 3, 5, -2, 7
2. 35 m<sup>2</sup>
3. 5:5 or 1:1
4. 6 090 000
5. 87 000
6. 8.97, 0.003
7. 281 000
8. 1:12
9. 
10. 45
11. 51 min. 50 sec.
12. 45
13. \$45
14. (b)
15. Answers will vary. Teacher check
16. 1000 or 10<sup>4</sup>
17.  $5\frac{1}{2}$
18. \$9000
19. 107 cm
20. 2052

## WEDNESDAY

1. 5, -3, -9, 73
2. 8.025
3. 6:4 or 3:2
4.  $4\frac{1}{2}$
5. (a)
6. 3.30 pm
7. 62 500 m<sup>2</sup>
8. \$5.50
9. (b)
10. 
11. no
12. \$120
13. 1:12
14. 8005 mm
15. true
16. C or D
17. 540°
18. Sunday 11 August, 2300 hrs
19. 120
20. (a)

## THURSDAY

1. 43, -7, 92, -16
2. 720°
3. 
4. 3 050 000
5. 0.01 or  $\frac{1}{100}$
6. 97 500 m<sup>2</sup>
7. 5
8. 255 000
9. P = (2, 3)  
Q = (2, -2)  
R = (-2, -2)
10. 
11. 4.0
12. 485 000

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

13. 1 000 000



14. 12  
15. 12  
16. 1200  
17. true  
18. \$15.80  
19. 1  
20. Monday 10 April,  
2300 hrs

## FRIDAY – page 98

- 36
- 7, -5
- 3 200 000
- 29
- 8.035
- 6:4 or 3:2
- 990
- 40 000 000
- 15
- 3%, 0.3, 51%,  $8\frac{1}{2}$
- 540, 720
- 1500
- 203 cm
- \$8
- 10 °C
- d
- 
- a
- c
- 5000
- X
- 301
- \$5.40
- 313 000
- Tuesday 14 March,  
2335 hrs

## WEEK 34 – pages 68–69

### MONDAY

- 2
- 2
- 11
- 8, 0.8
- $\frac{7}{10}$
- 100 910
- 2 080 000
- 81 000
- 38 000
- 25 cm
- 15
- base
- A, B, C
- 1800
- 0.001
- A or B
- 12 m<sup>2</sup>
- 2.25
- 9380 m
- 6

### TUESDAY

- 1

- 6 m<sup>3</sup>
- 0.078
- 4 m, 5 m
- 2 800 000
- 1.68
- 1958
- Tub : D  
Marble : G
- 41
- 157
- 0.001
- 0.021
- $8 - \frac{5}{10} = \frac{3}{10}$
- C
- \$108 000
- 27 00
- a = 5
- 7720 g
- 2.00
- 1000 L = 1 m<sup>3</sup>

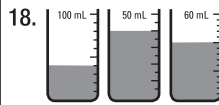
### WEDNESDAY

- 1:24
- 4
- $3\frac{4}{5}$
- $\frac{1}{5}$
- 0.039
- a = 3
- 8
- (a)
- 1920
- 0.9 m, 8000 cm,  
189 m, 207 km
- 0.004
- (a)
- 1000 cm<sup>3</sup>
- Teacher check: Any  
shape with six sides.
- 0.100
- 24 m<sup>2</sup>
- $\frac{6}{3} = 2$
- Any three from: A, B, C,  
D, E, H, I, K, M, O, T, U,  
V, W, X, Y
- 3:2
- \$63

### THURSDAY

- 9, 70, -3, 9
- 6 m<sup>2</sup>
- \$4.10
- 1500
- (a)
- 7:12
- 2
- 171
- 4000 or 3990
- 0.15
- 49
- 
- 927
- 0.125
- 6000
- 4.00

17. 180°



19. 2105  
20. 300

## FRIDAY – page 98

- $\frac{1}{7}$
- 5
- 5
- 24
- 48 m<sup>2</sup>
- 0.018
- a = 60°, b = 55°,  
c = 115°
- 6400
- 936
- 0.026
- 2265
- 3
- 63
- 9
- 2001
- $\frac{9}{10}$
- $\frac{9}{4} = 2\frac{1}{4}$
- 1000 L
- 
- \$35
- Arc
- 3 min. 20 sec.
- 4005
- 50 m<sup>2</sup>
- \$500

## WEEK 35 – pages 70–71

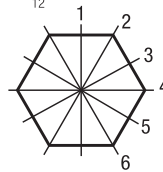
### MONDAY

- 15 °C
- $\frac{11}{4}$
- 35
- 3200
- 11 400
- (a), (c)
- (b)
- 210 000
- 130°
- 9940
- 10
- 80 980
- (c)
- true
- 6
- 0.4
- 24
- 1 am
- 2.12 sec.
- 9763

### TUESDAY

- true
- y = 270°
- 8
- $\frac{67}{8}$

- 10
- 1020
- 8030 mm
- B
- 0.067
- 16
- 12
- 0.09
- A
- 0.09
- 0330
- 4
- 8764
- 9950
- $\frac{11}{12}$

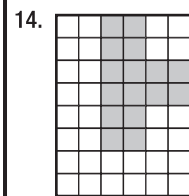


### WEDNESDAY

- $4\frac{1}{2}$
- false
- 7
- 1.475 kg
- 1710
- 9975
- 180
- a° = 75°  
b° = 70°  
c° = 145°
- 10.30 pm
- 19
- 20
- 
- 52 400
- 6 kg
- 4040 g
- 
- 24
- $\frac{1}{4}$
- 136
- (c)

### THURSDAY

- 32
- c = 19 (all prime 2–23)
- 4-pack
- false
- 151
- 1:20
- 335
- 2
- 10
- Bridgetown, Busselton
- 9
- Teacher check;  
e.g.
- 2.7



- $\frac{7}{8}$
- 1000 L
- 7050 mL
- 2 days, 1 hour, 25 min.
- 434 + 69 = 503
- 10 km

## FRIDAY – page 99

- 6
- 40.70
- 2360 g
- 13
- 40
- 3-pack
- 9973
- 26
- 906
- 5 am
- 
- 447.5
- 7000
- 86
- Tuesday 14 June 2240
- 249 + 75



- 90
- 
- 148
- 5.2
- 4 km
- D
- a = 8
- Lorne, Gympie

## WEEK 36 – pages 72–73

### MONDAY

- 70
- 1.5
- 4:2 or 2:1
- 21
- 2780
- 0.904 t
- \$70.20
- 210
- 8
- 2%, 0.05, 0.3,  $\frac{4}{10}$ , 1.1
- 0.4
- Any three of H, I, O or X.
- 25 m<sup>2</sup>

# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

14. \$2500
15.  $\frac{5}{6}$
16. yes
17. 


A
18. Teacher check; answers will vary.
19. 63
20. -3

## TUESDAY

1. 2.30 am
2. 27
3. -2
4. 40
5. 1.85 m
6. -5, 4% of 4, 10% of 2, 0.21, 1.05
7. 190
8. 180
9. (b)
10. 5
11. 2
12. \$58.90
13. yes
14. 0.3, 20%, 0.11
15. 60 m<sup>2</sup>
16. \$3000
17. -3, 4, 7
18. \$60
19.  $\frac{2}{3}$
20. \$40.50

## WEDNESDAY

1. 2.5 km or 2500 m
2.  $12\frac{1}{3}$
3. 800
4. 1000 L
5.  $\frac{3}{10}$ ,  $-\frac{1}{5}$ ,  $\frac{1}{4} \times 1.2$ , 47%,  $8^2 \times 0.01$ , 2.08
6. 9.0
7. 116
8. east
9. 8

10. 
11. 13
12. Teacher check
13. yes
14. (e)
15. \$63.75
16. 200 mL
17. 32
18. 8 km
19. 8:21
20. 1000 mL

## THURSDAY

1. 0.001 g
2. 1970
3. 4
4. convex
5.  $\div$
6. 500 g
7. 0.909
8. (c)


9. 6.13
10. 84
11. Teacher check
12.  $e = 5$
13. 192
14. 6:52
15. 4
16. \$26.55
17. B, C, A
18.  $3\frac{4}{5}$
19. 500 mL or 0.5 L
20. 3 km

## FRIDAY – page 99


1. 2 pm
2. -2
3. 0.125
4. 3
5. 2.17
6. a
7. 2.070 m
8. 0.001
9. 6
10.  $7\frac{1}{2}$
11. \$62.70
12. 9.0
13. 196
14. no
15. \$25
16. 32
17. (a)
18. 2.1,  $\frac{1}{5}$  of 4,  $7^2 \times 0.01$ , 0.32, 15%
19.  $\div$
20. 6 km
21. 100 mL
22. 0.5
23. 14
24. 40 m<sup>2</sup>
25. \$800

## WEEK 37 – pages 74–75

### MONDAY

1. 4095
2. 2 000 000
3. 17
4. 40
5. 
6. 118 000
7. (b)
8. 0.8
9. 28
10. 30
11. 1 March
12. 630 000
13. 14 073 mm
14. 29 July
15. 1750
16.  $\frac{5}{16}$
17. 8
18. 2
19. 0.99
20.  $A = \frac{1}{2}$ ,  $B = \frac{1}{8}$ ,  $C = \frac{1}{8}$

## TUESDAY

1. True
2. 24 000
3. 4
4. \$69.80
5. 500 000 000
6. 
7. 12 379
8. 59 000
9. 50
10. 27 March
11. 675
12. 19 356 g
13. 

A
14. 0.04, 0.004, 0.04
15. 0.2
16. 60 mm
17. 3.14
18. 7 km
19. 108
20.  $a = 54^\circ$   
 $b = 72^\circ$   
 $c = 126^\circ$

## WEDNESDAY


1. 12.051 L
2. 4, -8, -4, 6
3.  $6\frac{1}{10}$
4. 10.1
5. yes
6. true
7. 9% or 0.09, 0.09% or 0.009, 9% or 0.09
8. 10
9. 100
10. (a)
11. choc = 5, sugar = 15
12. 1:12
13. 9 February
14. 1 h 35 min.
15. 0.01
16. 9
17. 2.0
18. 0.016
19. 24 m<sup>2</sup>
20. A

## THURSDAY

1. 0
2. (a)
3. 875
4.  $A = \frac{1}{6}$ ,  $B = \frac{1}{6}$ ,  $C = \frac{1}{3}$ ,  $D = \frac{1}{3}$
5. 24
6. 20.4
7. 180°
8. no
9. south
10. 4 October
11. 33
12. 27

13. 26 000
14. 325
15. 12
16. 219 442
17. 14
18. 1 = 7000 g, 2 = 80 kg, 3 = 0.4 t
19. 3 400 000
20. (b)

## FRIDAY – page 100

1. 0.042
2. yes
3. 14
4. 12
5. 770
6. sugar:24, lemon:12
7. 13
8. 0
9. 3.16
10. 26 December or (25 December for leap)
11. 320%
12. 
13. 3476
14.  $a = 58^\circ$ ,  $b = 48^\circ$   
 $c = 106^\circ$

15. west
16. 5 November
17. 0., 40 cm, 1200 m
18. 197
19. 12.5
20. 7 050 000
21. 1 hr 10 min
22. no
23. yes
24. circles
25. 20

## WEEK 38 – pages 76–77

### MONDAY

1. 6:9:3
2. 48
3. 0.06
4. 76
5. 100 000
6. 127
7. 10 kL
8. 4.90
9. 108°, 120°
10. 3.6
11. 304
12. B
13. 24 300
14. 40 m<sup>2</sup>
15. \$2200
16. -4
17. 9050
18. 6
19. 70
20. 20

## TUESDAY

1. 12:9:15
2. 253, 509
3. 90
4. 4890 m
5. square
6. north-east
7. 35
8. 17.5 m<sup>2</sup>
9. 10 000
10. 303.4
11. A = 4 m  
B = 4000 m  
C = 400 m  
D = 40 m
12. 4073
13. 950 L
14. 1.00
15. 4
16.  $4 + \frac{5}{6} = \frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$
17. 20 June 2245
18. 400
19. 18.014
20. 1:18

## WEDNESDAY

1. 1000
2. (c)
3.  $12 + 10/15 = 22/15 = 1\frac{7}{15}$
4. 4, 3, 1, 2, 5
5. 1 000 000
6.  $100 - 16 = 84$
7. 301
8. \$50
9. 52
10. 2.35
11. 18 x 12, 24 x 9
12. 2020 m
13. \$55
14. 32, 64
15. 45
16. south-west
17. 6 m<sup>2</sup>
18. \$90
19. 14
20. 4300 m

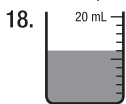
## THURSDAY

1. 2 750 000
2. 10 000
3. 1979
4. 

	Mon.	Tue.	Wed.	Thu.	Fri.
Sales	10	27	15	8	16
Bal	90	63	48	40	24
5. false
6. 13
7. 101
8. 54
9. 145°
10. 7
11. 96
12. \$1440
13. 800 L
14. 10


# NEW WAVE MENTAL MATHS (BOOK G) – ANSWERS

- 21
- 35
- hemisphere




- 40
- \$3.75

## FRIDAY – page 100

- 9
- 8 cm
- 3800 m
- 23
- 330
- 4.73
- 9:21:6
- 
- \$68 000
- $\frac{2}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$
- $6 \times 27 = 18 \times 9$
- north-west
- 74
- 2 140 000
- 7.0
- 20
- 20 cm
- 3
- (d)
- 1500
- 96
- 8500 L
- 1.5 m<sup>2</sup>
- Monday 19 November 2250
- 10 000

## WEEK 39 – pages 78–79

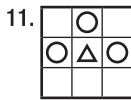
### MONDAY

- 82 705
- false
- $n = 10$
- 6.3
- 
- $\frac{3}{8}$
- 14
- 0.407 km
- $< 7$
- 42.5 km
- $2\frac{3}{7}$
- 0.04
- 20
- 5
- 8 pm
- 54 km
- 9.1
- \$75
- $\frac{1}{3}$
- 132

### TUESDAY

- true
- 36

- 1 000 010
- (c)
- 29 m
- 20
- 12
- 9.3
- D
- 8

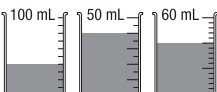


- 16.5 ha
- 3 pm
- 19th
- 30%
- $100 + 150 = 250$
- $10^4$ , half a million, 890 900, 0.9 million
- 23 500
- \$71
- 5

### WEDNESDAY

- 1500 m or  $1\frac{1}{2}$  km
- 20
- 366
- 165 cm
- 3
- false
- \$1300
- 195
- 3200, 320
- 6
- $4 + \frac{5}{10} = \frac{9}{10}$
- 60
- no
- 12
- 100, 25
- Answers will vary. Teacher check
- 1 mL
- 0.014
- 121, 11
- 3, 4

### THURSDAY

- $\frac{1}{4}$
- 4
- 9207 L
- 
- 1 080 000
- 2, 2, 2, 3
- 18
- 144
- 9.9
- 8.25 ha
- sphere
- A, B
- 2469
- 0.75
- true
- 2.7
- $11, \frac{8}{2}, 1\frac{1}{2}$

- 5.23
- 999 999
- 7

## FRIDAY – page 101

- (b)
- 6
- 225
- 4
- prism
- 3001
- 37
- 5250 m
- $n = 4$
- 18th
- 90%
- 7
- 55 mm
- 25
- 0.01
- 7
- 465
- 0
- 54 m<sup>2</sup>
- \$1620
- 5
- 8 km
- 9
- 3
25. 

		24
88	40	
		32

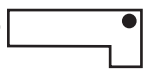
## WEEK 40 – pages 80–81

### MONDAY


- TT, HH, TH, HT
- 12
- 90
- 3
- 5.4 km
- 8.3
- 3 am
- 8.2
- \$65
- north-east
- heptagon
- 108
- 2800
- 4
- 2.2 or 1.1
- 36
- Tuesday
- 31
- 2400
- 1825 g

### TUESDAY

- 250
- 20 °C
- 9
- 42
- 49 cm<sup>2</sup>
- Teacher check
- 45 km
- 601

- 45
- 8780
- 1.005 million or 1 005 000
- west
- 1.45
- 
- $n = 8$
- 4
- 8000
- yes
- 21, 2100
- 1.59.62

### WEDNESDAY

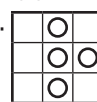

- north-east
- (d)
- 180
- 1:16
- 52 m
- b
- 701
- $32 + 16 = 48$
- 12, 6, 600
- 2750
- 10 053 000
- 
- 8.7 km
- 28 km/h
- true
- 2590
- 4.2
- x
- $\frac{5}{6}$
- 60

### THURSDAY

- Answers will vary
- (d)
- 30, 270
- 4
- 24
- 1928
- $0.25$  or  $\frac{5}{20}$  ( $\frac{1}{4}$ ), 25%
- 9
- 11.30 pm
- \$6.50
- 240
- $14 + 21 = 35$
- 25
- A
- 128
- true
- 3920
- 3:4
- (a) \$1  
(b) \$10
- 14

## FRIDAY – page 101

- 2.30 pm
- 27
- 1.015 million or 1 015 000

- 1550
- The whole rectangle (12 x 8) is shaded
- 6
- 4
- (b)
- false
- south-east
- 28
- $n = 10$
- 8:32:12
- 28 
- 701
- 48 m
- 16
- 128
- 150 cm
- 4
21. 
- 32 posts
- $8 + \frac{3}{12} = \frac{11}{12}$
- 2
- 997