

TEACHERS MANUAL

# New Wave

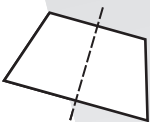
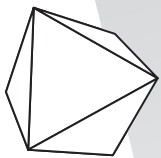


# Mental Maths

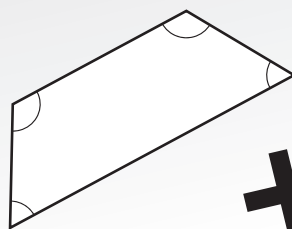
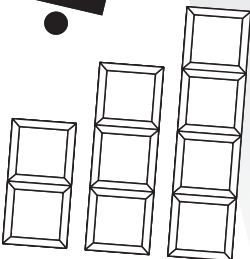
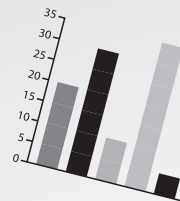
## TEACHERS MANUAL

REVISED EDITION

6th Class



$$+5 + 7 = \square$$



Obtuse angle



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## New Wave Mental Maths – Teachers Manual

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New Wave Mental Maths Workbook – Senior Infants Class  
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New Wave Mental Maths Workbook – 2nd Class  
New Wave Mental Maths Workbook – 3rd Class  
New Wave Mental Maths Workbook – 4th Class  
New Wave Mental Maths Workbook – 5th Class  
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# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

## WEEK 1 pages 2–4

### Monday

1. 6.2
2. 2, 3, 5 and 7
3.  $90^\circ$
4. True
5.  $\frac{8}{5} = 1\frac{3}{5}$
6. 1,000,000
7. +7
8. 425,050
9. cube
10.  $16 \text{ cm}^2$
11. 2
12.  $\frac{1}{2}$
13. trapezium
14. 99,990
15. 10
16. 4
17. 10
18. 1800 hours
19. 10
20. 3.8

### Tuesday

1. 8.1
2. +1 hour
3. 3
4. 5 cm
5. 9
6. 72
7. 45
8. 6, 12, 8
9. 20
10. 21
11.  $\frac{3}{4}$
12. 50
13. 800,000
14. pentagon
15. 1,000,001
16. 21
17. 3
18. Teacher check
19. Teacher check
20. Teacher check

### Wednesday

1. 4.3
2. square-based pyramid
3. 250
4. 1,000,010
5. 5.7
6. 4, 6, 8, 9 and 10
7. 2100
8. 35
9. 8
10. 14
11.  $\frac{2}{3}$
12.  $90^\circ$

13. 20.00
14. 2.004
15. 100,000
16. 32.8
17. 6
18. 4 in 20 (1 in 5)
19. 24
20. 36

### Thursday

1. 3.4
2.  $\frac{6}{4} = 1\frac{1}{2}$
3. 3
4. 5
5. 24, 12
6. 5, 9, 6
7. 50
8. 27
9. 3
10. +1 hour
11. -6
12. 60,000
13.  $1 \times 3$
14.  $\frac{1}{3}$
15. 25
16. 1, 2, 3 and 6
17. 20
18. 1,000,100
19. 7 r 3
20. 0430

### Problem-solving

#### Monday

1. 17
2. 14

#### Tuesday

1. 21
2. 36

#### Wednesday

1. 11
2. 7

#### Thursday

1. 2
2. 6

### Friday Review

1. 5.8
2. 1,000,010
3. 11
4. 3
5. 7
6.  $90^\circ$
7. 15
8. 41
9. 4
10. -5
11. 16
12. cuboid
13. 30
14.  $\frac{6}{4} = 1\frac{1}{2}$

15. 25
16. 7
17. rhombus
18. 99,900
19. 6, 12, 8
20.  $\frac{3}{4}$
21. +1 hour
22. 20
23. 1,000
24. 20:00
25. 8

## WEEK 2 pages 5–7

### Monday

1. 14 r 9
2. 7.5
3. cylinder, 150
4. 7.5
5. hundred thousand
6. 50
7. 1,101,000
8. 1.85
9.  $180^\circ$
10.  $\frac{2}{3}$
11. -5
12. 6.1
13. tetrahedron or triangular pyramid
14. 15
15. 4
16. 10
17. 35
18. 4
19. False
20. +2 hours

### Tuesday

1. 29 r 4
2.
3. yes
4. 9
5. 60
6. 11, 13, 17 and 19
7. 16
8.  $\frac{8}{4} = 2$
9. 40,404
10. 3
11. 40
12.  $\frac{2}{3}$
13. 800
14. triangular prism
15. 6
16. 5
17. 2.35
18. 6, 12, 8
19. 10
20. 1

### Wednesday

1. 10
2. 4.13
3. 1,000,101
4. 110,000
5.  $90^\circ$
6. True
7. 60
8. 5.9
9. hundred thousand
10. 850
11. 32
12.  $\frac{3}{5}$
13. 8.1
14. pentagonal prism
15. 680,000
16. 75
17. 44
18. 8
19. 54
20. 64

### Thursday

1. 10
2. 10
3. 150
4. 12, 14, 15, 16, 18 and 20
5. 12
6. +4
7. 8
8. triangular prism
9.  $\frac{5}{10} = \frac{1}{2}$
10. 0.88 or  $\frac{88}{100}$
11. +3 hours
12.  $\frac{3}{4}$
13. 36
14.
15.  $\frac{3}{9}$
16. 6 in 10 (3 in 5)
17. 130,000
18. 5.3
19. 1,300,000
20. 10

### Problem-solving

#### Monday

1. €250
2. 22

#### Tuesday

1.  $\frac{3}{4}$
2. Teacher check

#### Wednesday

1.  $90^\circ$
2.  $30^\circ$

#### Thursday

1. (a) ✗ (b) ✓  
(c) ✓ (d) ✗
2. 40

### Friday Review

1. 0.002
2. 8.6
3. 13 r 6
4. triangular prism
5. -3
6. cylinder
7. 10
8. 30
9. +2 hours
10. 70
11. 750
12. 720,000
13. 24
14.
15. 8
16. 10
17. 4
18. 1,100,000
19.  $\frac{4}{5}$
20. 950
21. octagon, 120
22. 6.7
23. 20
24. 4 in 20 (1 in 5)
25. hundred thousands

## WEEK 3 pages 8–10

### Monday

1. 99
2.  $\frac{11}{5} = 2\frac{1}{5}$
3.  $45^\circ$
4. 100,000
5. 1,001,010
6. 32
7. 1,000,000
8. 1, 2, 4 and 8
9. 1:100
10. 7 m
11. False
12.  $\frac{2}{5}$
13. 9.9
14. +6
15. 10
16. 17.2
17. 8
18. 23
19. 6.1
20. +1 hour

### Tuesday

1. 77
2. 40
3.  $\frac{7}{5} = 1\frac{2}{5}$
4. 29
5. 4.95
6. 42
7. 4

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

8. 1.002
9. 27
10. 3,000,000
11. 4, 6, 4
12.  $14r3$
13. 33
14. 180
15. 20
16. 1,000,000
17. 261
18. 6.1
19. 9
20. 45

### Wednesday

1. 81
2. 2 in 20 (1 in 10)
3. 1, 3 and 9
4. 90
5.  $\frac{3}{4}$
6.  $\frac{5}{6}$
7. -4
8.  $90^\circ$
9. 950
10. 110,000
11. 1:100
12. 5, 8, 5
13. 80
14. 61
15. 3
16. 27
17. 2.95
18. 10
19. 20.5
20. 15

### Thursday

1. 49
2. 1:100
3. Teacher check
4. Teacher check
5. Teacher check
6. 80
7. 2.95
8. 32
9. 1,100,000
10. cone
11.  $30r7$
12. 22
13. 0.004
14. 270
15. 00:00
16. 25
17. 1,001,101
18. 4.12
19. 1.8
20. 24

### Problem-solving

#### Monday

1. Teacher check
2.  $210 \div 10 = 21$

#### Tuesday

1. 8
2. 120

#### Wednesday

1. 250
2.  $32 \times 10 = 320$

#### Thursday

1. 33,000
2. 8

### Friday Review

1. 100
2. 20
3.  $\frac{7}{5} = 1\frac{2}{5}$
4. 4.98
5. 8
6. 1, 2, 5 and 10
7. 32
8. 7.1
9.  $\frac{1}{3}$
10. 1:100
11. -3
12. 1,100,000
13. 24
14. 72
15. 270
16. +1 hour
17. 60
18. 20
19. 1,001,011
20. 2.95
21. Teacher check
22. millions
23. 180
24. 15
25. 232

### WEEK 4 pages 11–13

#### Monday

1. 11, 13, 17 and 19
2.  $\frac{4}{5}$
3. 2:1
4. 1,500
5.  $(6 \times 4) + (3 \div 3) = 25$
6. 2.93
7. 9.8
8. 10
9. 100,000
10. +6 hours
11. 7.9
12. 60
13. 10
14. 351
15. 1.0

16. cuboid
17. 18
18. no
19. octahedron
20.  $10 \times 10 \times 10 \times 10 = 10,000$

### Tuesday

1. 23 and 29
2.  $\frac{2}{8}$
3.  $4\frac{2}{4}$  (or  $4\frac{1}{2}$ )
4. 150
5. +3
6. 1,110,000
7. 7.1
8. 540
9. True
10. 70,000
11. 1,000,000
12. circumference
13. isosceles
14. 18
15. 1:2
16. 9
17. 5.25
18. 4
19. 9
20.  $(3 \times 8) - (5 \times 2) = 14$

### Wednesday

1. 12, 14, 15, 16, 18 and 20
2. 90
3.  $\frac{1}{3}$
4. 202,053
5. 1:100
6. 9
7. 63
8. 1, 2, 3, 4, 6 and 12
9. Teacher check
10. 1,100,000
11.  $3\frac{3}{5}$
12. 10
13. 26,000
14. 132
15. 100,000
16. 1.06
17. 1
18. pentagonal prism
19. 1.1
20. 6

### Thursday

1. 21, 22, 24, 25, 26, 27, 28 and 30
2.  $\frac{6}{9}$
3. 50
4. 100
5. 12
6. -4

7. 20
8. 50%
9. c
10. isosceles triangles
11. 1 in 7
12.  $5\frac{3}{5}$
13. yes
14. 100,000
15. 1,101,000
16.  $\frac{1}{2}$
17. 1:4
18. 16
19. 75
20. 3, 3.02

### Problem solving

#### Monday

1. 1.30
2. 5, 4, 1

#### Tuesday

1. 11
2. 7,500

#### Wednesday

1.  $\frac{3}{7}$
2. 0.25

#### Thursday


1.  $a \ 72^\circ + 36^\circ = 108^\circ$
- $b \ 72^\circ + 36^\circ = 108^\circ$
2.  $c \ 36^\circ + 36^\circ + 36^\circ = 108^\circ$

### Friday Review

1. 23 and 29
2. 51
3. 350
4. octahedron
5. 50,000
6. 10
7. True
8. 45
9. 12
10. 10
11. False
12. 40
13. 1, 2, 7 and 14
14. 12
15.  $\frac{1}{2}$
16. 100,000
17.  $5\frac{3}{5}$
18. 50
19. 75
20. 103,013
21. 7, 15, 10
22.  $\frac{7}{8}$
23. 1:2
24. 8
25. 1.04

### WEEK 5 pages 14–16


#### Monday

1. 1, 3, 5 and 15
2. Teacher check
3. 23
4. 75
5. B
6. 9.92
7.  $(6 \times 3) + (8 \div 2) = 22$
8. 4.08
9. 
10.  $\frac{1}{4}$
11. 10,000
12. 10 in 20 (1 in 2)
13. 8
14. octagon
15. hundredths
16. 1,000,000
17. 270
18.  $\frac{9}{12}$
19. Teacher check
20. 30,000

#### Tuesday

1. 1, 2, 4, 8 and 16
2. +8 hours
3.  $\frac{1}{6}$
4. 20
5. 23,000
6. 0.96
7.  $\frac{1}{8}$
8. 27
9. Teacher check
10.  $6\frac{3}{10}$
11. 4, 6, 4
12. trapezium
13. 5:1
14. 10
15. 100,000
16. 750
17. 20
18. 2.04
19. 10
20. 90

### Wednesday

1. 100,000
2. 0.05
3.  $\frac{5}{6}$
4. 100,000
5. 30
6. 20
7. 1,650
8. 
9.  $33\frac{1}{3}\%$
10. 12
11. 8

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

12. 2
13.  $4\frac{5}{10}$
14. 136
15. 8.295
16. 9.34 a.m.
17.  $(9 \times 3) - (8 \div 2) = 18$
18. 6, 12, 8
19. 88, 104
20. 1,001,111

### Thursday

1. 200,000
2. 9
3. 180
4. 200
5. hexagonal prism
6.  $\frac{3}{4}$
7. 108
8. Teacher check
9. 38
10. 12
11.  $\frac{2}{5}$
12. 0.5
13.  $5\frac{5}{10}$  ( $5\frac{1}{2}$ )
14. 8
15.  $\frac{1}{2}$
16. 1.91
17. 9
18. 80
19. 7.169
20. 5

### Problem-solving

#### Monday

1.  $\frac{2}{5}$
2.  $\frac{9}{20}$

#### Tuesday

1. 20 l
2. 15


#### Wednesday

1. 6,150
2. €2, 50c, 20c, 20c

#### Thursday

1. Teacher check
2. 40

### Friday Review

1. 1, 3, 7 and 21
2. 225
3. 1,001,001
4. 7.355
5. 7
6. 
7. 24,000
8. 21
9. 20
10. 15 cm
11.  $\frac{1}{4}$
12. 8

13. 300,000
14. 12
15.  $(8 \times 3) - (45 \div 9) = 19$
16. 128
17. 4
18.  $4\frac{6}{10}$  ( $4\frac{3}{5}$ )
19. 12
20. 42, 56
21. 16
22. 8.95
23. 6.28
24. 100,000
25. -3

### WEEK 6 pages 17–19


#### Monday

1. 75
2. 0.05, 0.5, 0.75
3. 3
4. 750
5. True
6. 4.93
7. 48
8.  $90^\circ$
9.  $\frac{1}{8}$
10. 29
11. 1,550,000
12. 6
13. 1, 2, 11 and 22
14. 100,000
15. 23
16.  $2 \times 2 \times 2 \times 2 \times 2 = 32$
17.  $66\frac{2}{3}$
18. 01:30
19. 50
20. 600

#### Tuesday

1. 550
2. 6
3. 75
4. 360
5. 36
6. 1.4
7. octahedron
8. 1:2
9. 7.1
10. 9
11.  $\frac{7}{8}, \frac{3}{6}, \frac{1}{4}$
12.  $11\frac{3}{8}$
13. 90
14. +7 hours
15. -5
16. 40
17. 0.70, 0.75, 7.05
18. 4,000
19. 4.75
20. 0.4

### Wednesday

1. 3
2. 28
3. 0.22, 0.2, 0.02
4. 150
5. 2:1
6. 29
7.  $\frac{7}{8}$
8. 
9. 27
10. 500
11. 0.06
12. hexagonal prism
13. 6
14. 26
15.  $7\frac{2}{3}$
16. 110
17. cube
18. 20
19. 6
20. 20%

### Thursday

1. 5
2. 8
3. 9
4. 90
5. 0.3
6. 5
7. A
8. 51
9.  $\frac{5}{6}$
10.  $\frac{1}{2}, \frac{2}{5}, \frac{1}{10}$
11. 5, 8, 5
12. 0.09
13. False
14. 270
15. 0.477
16. 1.99
17. 375
18. Teacher check
19. Teacher check
20. Teacher check

### Problem solving

#### Monday

1. 900
2. 30

#### Tuesday

1. 9
2. 200,000

#### Wednesday

1. 0.55
2. 0.5

#### Thursday


1. 8 and 3
2. 185

### Friday Review

1. 4
2. 0.05, 0.5, 0.75
3. 1:2
4. 8
5. 250
6. 11
7. 42
8. 8.99
9. 100,000
10. 12
11. 61
12. 00:40
13. False
14.  $\frac{8}{10}, \frac{1}{2}, \frac{2}{5}$
15. 1.6
16. 90
17. 0.387
18. 3.85
19. 3
20. 40
21. Teacher check
22.  $10\frac{2}{8}$  ( $10\frac{1}{4}$ )
23. cube
24. 375
25. 300

### WEEK 7 pages 20–22

#### Monday


1. 4
2. 0.04, 0.4, 0.44
3. 
4. 0.02
5. 15
6. 60
7. 14
8. 5
9. 8
10. thousandths
11. 16
12. 1, 2, 3, 4, 6, 8, 12, and 24
13. 6
14. 100
15. 800
16. 50
17. triangular prism
18. 125
19.  $6\frac{5}{10}$  ( $6\frac{1}{2}$ )
20. 25

#### Tuesday

1. 9
2. 2:1
3. 200
4. 28
5. 17.7
6. 100,000

7. 23
8. 80
9. 100
10. 7.50
11. 0.12
12. 90
13. octagonal pyramid
14.  $\frac{1}{4}, \frac{4}{5}, \frac{9}{10}$
15. 30
16. 60
17. 60
18. 13:01
19. 2.055
20. True

### Wednesday

1. 6
2. 0.6, 0.06, 0.006
3. 0.04
4. 8
5. 90
6. True
7. 10
8. 
9. 24
10. 30,000
11. 10,000
12. 70
13. +1 hour
14. Teacher check
15.  $\frac{7}{9}$
16. 400
17.  $5\frac{2}{5}$
18. 8
19. 3.03
20. 75, 75

### Thursday

1. 8
2. 15
3. C
4. 0.05
5. 125
6. 2.0
7. 6
8. 16
9. 21
10.  $33\frac{1}{3}$
11. 1,000,010
12. True
13. 0.85
14. 3:1
15. 70
16. 16.3
17. 24
18. 25
19. 6, 12, 8
20. Teacher check

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

## Problem-solving

### Monday

1. 960
2. C

### Tuesday

1. no
2. 24, 24


### Wednesday

1. D
2. Teacher check

### Thursday

1. 600
2. 91

## Friday Review

1. 10
2. 0.005, 0.05, 0.5
3. 2.06
4. 3.0
5. 9
6. 12
7. 45
8. 1,000,110
9. 42
10. A
11. 12
12. 9
13.  $\frac{9}{10}$
14. 15,000
15. 
16. 23:52
17. 8
18. 40
19. 29
20.  $(7 \times 8) \div (4 \times 2) = 7$
21. 600
22. square-based pyramid
23. A = 850  
B = 1,150
24. 0.07
25. 22

## WEEK 8 pages 23–25

### Monday


1.  $\frac{9}{4}$
2. 0.08
3. 180
4. 10
5.  $2\frac{2}{3}$
6. 500
7. 0.1
8. 45
9. 6
10. 13
11. 17
12. cone
13. 250

14. 121
15. 243
16. 600
17. 24
18. 200
19. 720
20. 120

### Tuesday

1.  $\frac{9}{2}$
2. 270
3. 0.007, 0.07, 0.7
4. 90
5. 12
6.  $4\frac{2}{5}$
7. 0.5



8. 
9. 3
10. rhombus
11. 1,000,111
12. 60
13. 80
14. 3.004
15. 5, 9, 6
16. 41, 43
17. Teacher check
18. yes
19. 12
20. 4

### Wednesday

1.  $\frac{10}{3}$
2. 160
3. 5
4. 9.02
5. 16
6. 0.01
7.  $6\frac{4}{10}$  ( $6\frac{2}{5}$ )
8. 25
9.  $\frac{3}{5}$
10.  $\frac{2}{6}, \frac{1}{2}, \frac{6}{8}$
11. 0.90
12.  $5\frac{2}{3}$
13. 48
14.  $a = 30$   
 $b = 30$   
 $c = 30$
15. 8
16. 180
17. 5
18. +8 hours
19. 3:1
20. 1 in 6

### Thursday

1.  $\frac{11}{4}$
2. 0.44, 0.04, 0.004
3. octahedron
4. millions

5. 111,233
6. 9.05
7. 0.05
8. 15
9. 144
10. 110
11. 8.012
12. 250
13. 12,500,000
14. 10
15. 75
16. 801
17. 15.02
18. 7, 15, 10
19. 4.2
20. 20 or 2

## Problem-solving

### Monday

1. 5
2. 5

### Tuesday

1. 5
2. 1

### Wednesday

1. 20
2. 12

### Thursday


1. Teacher check
2. 6 and 8

## Friday Review

1.  $\frac{8}{3}$
2. 9.08
3. 150
4. octahedron
5. 900
6. 1,000
7. 8
8. 10
9. 3.0
10. 6
11. 0.1
12. 1,250,000
13. 200
14. 70
15. 12
16. 12.033
17. 50
18.  $4\frac{3}{5}$
19. 800
20.  $\frac{6}{10}$  ( $\frac{3}{5}$ )
21. 720
22. 4 in 52
23. 120
24.  $9\frac{6}{10}$  ( $9\frac{3}{5}$ )
25. 72

## WEEK 9 pages 26–28

### Monday

1.  $1\frac{1}{2}$
2. 4.09
3. 3
4. 0.6
5. 90
6. 100
7. 4
8. 54
9. square-based pyramid
10. 23
11. 1,200,000
12. 1.9
13. 
14. 8
15. thousandths
16. 99
17. 720
18. 1.8, 0.8, 0.08
19. 20
20. 7,850

### Tuesday

1.  $2\frac{1}{3}$
2. 3:1
3.  $\frac{4}{5}$
4. 49
5. 10
6. 7
7. 0.24
8. 14
9. 5
10. 250
11. 10
12. 10
13. 24
14. 4 in 52 (1 in 13)
15. 6.9
16. 20
17. 80
18. 1,909,000
19. 6, 12, 8
20. Teacher check

### Wednesday

1.  $2\frac{1}{2}$
2. 2:1
3. 100
4.  $\frac{7}{8}$
5. 0.9
6. 60
7. 2, 4, 7, 14
8. 360
9. 85
10. 4
11. 3.007

12. Teacher check
13. no
14. 144
15. 3
16. 48
17. 27
18. 8
19. 15
20. 8.0

### Thursday

1.  $1\frac{3}{4}$
2. 0.03
3. parallelogram
4. 4
5. 6
6. cuboid
7. 800
8. 16
9. 5.6
10. 0.5, 0.55, 1.5
11. 0.4
12. 10,000
13.  $9\frac{3}{7}$
14. 3:1
15. 75
16. 75
17. equilateral triangle
18. True
19. 5.5
20. 18

## Problem-solving

### Monday

1. 1,000
2. A 60  
B 360

### Tuesday

1.  $\frac{816}{357}$   
 $\frac{492}{492}$
2.  $\frac{276}{951}$   
 $\frac{438}{438}$

### Wednesday

1. 120
2. Teacher check

### Thursday

1. 40
2.  $a = 60$   
 $b = 105$

## Friday Review

1.  $2\frac{1}{4}$
2. 8
3. 32
4. 0.7
5. 60
6. 260
7. 5,640
8. 33

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

9. cylinder
10.  $\frac{5}{8}$
11. 36
12. 100
13. 0.75
14.  $12\frac{4}{7}$
15.  $\frac{8}{3}$
- 16.
17. 10
18. 0.04, 0.44, 1.4
19. octahedron
20. 12
21. 3
22. trapezium
23. 120
24. 4:1
25. 750

### WEEK 10 pages 29–31

#### Monday

1. 0.5, 50
2. 4
3. 2
4. 16
5. 0.7
6. 10
7. 100
8. octagon
9. 125
10. 45
11. 60
12. 9.07
13. 18
14. 18
15. 4.2
16. 40
17. 100
18.  $\frac{8}{12} (\frac{2}{3})$
19. 1.5
20. 0

#### Tuesday

1. 0.25, 25
2. 40
3. 10.4
4. 2, 3, 5, 6, 10, 15
5. pentagonal prism
6. 0.01
7. 20
8. 3:1
9. 4 in 20 (1 in 5)
10. 0.2
11.  $\frac{1}{4}$
12. 5.4
- 13.
14. 0.08, 0.8, 8.8
15. 8

16. 750
17. 23.9
18. -2, 0
19. 1.6
20.  $\frac{13}{3}$

#### Wednesday

1. 0.125,  $12\frac{1}{2}$
2. thousandths
3. 8
4. 6
5. 0.11, 0.1, 0.01
6. 92
7. 4.08
8. 400
9. 15
10. 60
11. 1,950
12. 270
13. 2.45
14. 5
15. 0.15
16. 40
17. 16
18. 20
19. 1,000,000
20. A

#### Thursday

1. 4, 8
2. 10
3. 8
4. 5
5. 12.3
6.  $\frac{3}{4}$
7. 0.2
8. 2
9. 5.1
10. 180
11. 5.5 cm
12. -5 hours
13. 1.5
14. 1, 2, 4, 8, 16 and 32
15. cylinder
16. 25
17. True
18. 180
19.  $66\frac{2}{3}$
20.  $\frac{8}{3}$

#### Problem solving

##### Monday

1. D
2. E

##### Tuesday

1. 7,000
2. 5,500

##### Wednesday

1. 157
2. (b)

#### Thursday

1. 125
2. 5

#### Friday Review

1. 0.25, 25
2.  $\frac{1}{4}$
3. 6
4. 9
5. 0.4
6. 2.5
7. 2.8
8. 8
9. 1.5
10.  $3\frac{1}{3}$
11. 60
12. 7.5
13. 4.4
14. 500
15. 36
16. 7.4
17. 20
18. 50
19. 2, 3, 6, 9
20. 270
21. B
22. 0.09, 0.9, 1.9
23.  $\frac{6}{12} (\frac{1}{2})$
24. 200
25. -5 hours

### WEEK 11 pages 32–34

#### Monday

1. -300 m
2. 25
3. +3
4. 110,000
5. 32
6. 10
7. 8
8. Teacher check
9. 0.35
10. 2
11. 10
12. Teacher check
13. 5
14. Yes
15. 36
16. 8
17. Teacher check
18. 6
19.  $\frac{1}{6}, \frac{5}{9}, \frac{2}{3}$
20. A

#### Tuesday

1. 145,022
2. -50 m
3. 6

4. 10%, 50%, 100%
5. 6
6. 104
7. 27
8. 24
9. 20
10. 45
11. 4.05, 4.5, 4.55
12. 200
13. 90
14. 5.3
15. 3, 11
16. 4
17. 2
18.  $\frac{4}{3} = 1\frac{1}{3}$
19. 42, 48, 54
20. 1:4

#### Wednesday

1. 560,440
2. 29
3.  $\frac{10}{3}$
4. 202,000
5. 14
6. 18
7. 27
8. 12
9. 0.7
10. 9
11. 90
12. 1, 3, 7 and 21
13. 30
14. irregular octagon
15. 2.4
16. 16
17. 1 in 6
18. 2, 7
19. 40
20. Teacher check

#### Thursday

1. 23,050
2. +1
3. Teacher check
4. 4
5. 30%, 25%, 20%
6.  $1\frac{3}{4}$
7. 4
8. 60
9. 5
10. 180
11. 120
12. 2.5, 2.05, 2.005
13. 50
14. 600
15. 10.7
16.  $\frac{9}{10}, \frac{1}{2}, \frac{1}{5}$
17. 8
18. 70
19.  $3\frac{2}{5}$
20. 10

#### Problem-solving

##### Monday

1. C
2. D

##### Tuesday

1. 0.3
2. 0.2

##### Wednesday

1. C
2. 2,750

##### Thursday

1. Ethan, Luke, Tim
2. 5

#### Friday Review

1. 45,050
2. 90
3. 40
4.  $\frac{6}{5} = 1\frac{1}{5}$
5. 1.5
6. 2
7. 35
8. 3
9.  $\frac{6}{5}$
10. 10
11. 48
12. 34
13. 5, 7
14. 330,000
15. 6
16. 90
17. +3
18. -18
19. 1:3
20. 10
21. 4
22. A
23. 20
24. 2
25. 120

### WEEK 12 pages 35–37

#### Monday

1. 0.25
2. 23,900
3. -2
4. +5 hours
5. 180
6. Teacher check
7. 1
8. 1:3
9. Teacher check
10. 70
11. 10
12. 20
13. 10,000
14. 40
15. 10
16.  $3\frac{2}{5}$

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

17. 28
18. 26
19. 9
20. 20

## Tuesday

1. a ruler
2. 5
3. 360
4.  $A = 45$   
 $B = 135$   
 $C = 225$   
 $D = 315$
5.  $3\frac{1}{3}$
6. 1,000,000
7. 1:3
8. 180
9. 70
10. 12
11. 0.43
12. nonagon
13. 2%, 20%, 45%
14. 50
15. 8
16. 16
17. 5.9
18. 6 p.m.
19. 13
20. 985,410

## Wednesday

1. 0.75
2. 5
3. 17
4. 630,020
5. 110
6. 90
7. 20,000
8. triangular prism
9. 9
10. 90
11. 16
12. 3
13. odd
14. 77%, 70%, 7%
15. 3,000
16. B
17. 2
18. 5:6
19. 9
20. 4

## Thursday

1. 2
2. Teacher check
3. 4
4. 0
5. 5.15 p.m.
6. 1,000,010

7. 90
8. Teacher check
9. 11
10. 20
11. even
12. 60
13. 120
14. C
15. 18
16. 22
17. 2, 13
18. 10,000
19. 6:1
20. 1:100

## Problem-solving

### Monday

1. 700
2. 1,200

### Tuesday

1. 500
2. a,b  
d,c

### Wednesday

1. Teacher check
2.  $\frac{5}{12}$

### Thursday

1. 300
2. 4

## Friday Review

1. 4
2. 10
3. 5
4. Teacher check
5. 4.15 p.m.
6. 75
7.  $\frac{11}{3}$
8. 30
9. add 9
10. 14
11. even
12. 12
13. 6,000
14. A
15. 180
16. 100,000
17. 57,025
18. 6
19. 0.25
20. <
21. 6
22. 14
23. Teacher check
24. Teacher check
25. -1

## WEEK 13 pages 38–40

### Monday


1. 6
2. heads and tails
3. 10
4. 102,255
5. 6.07
6. subtract 10
7. 1
8. 0.10
9. Teacher check
10. 15
11. 5,050
12.  $\frac{11}{4}$
13. 3
14. trundle wheel
15. False
16. 5,000
17. 4
18.  $\frac{1}{8}$
19. 25
20. 2

### Tuesday

1. 0.333
2. 36
3.  $\frac{1}{3}$
4. 5.53
5. 111,011
6. +3
7. 2
8. Teacher check
9. 550
10. 10
11. add 6
12.  $5\frac{1}{3}$
13. True
14. 9
15. Teacher check
16. 7%, 57%, 75%
17. 40, 40
18. 100,000
19. 75
20. 165,000

### Wednesday

1. 8
2. 3
3. 160
4. 7.25
5. 360
6. 85
7. 140
8.  $\frac{11}{2}$
9. 2,088
10. 10
11. 16
12. 2
13. 10.20 a.m.

14.  $\frac{4}{10}$
15.  $\frac{77}{100}$
16. 
17. 16
18. 48
19. 16
20.  $12\frac{1}{2}$

### Thursday

1. 4.08
2. 1, 2, 3, 4, 5 and 6
3. 750,550
4. 15
5.  $\frac{20}{2}$
6.  $\frac{4}{5}$
7. 9
8. Teacher check
9. add 2.5
10. 11
11. 1,856
12. False
13. 16
14. Teacher check
15. 3:2
16. True
17. 64
18. 100
19. 1,001,001
20. 12

## Problem-solving

### Monday

1. 2
2. 9

### Tuesday

1. 4
2. 6

### Wednesday

1. 10
2. 4

### Thursday

1. 9,500
2. 60

## Friday Review

1. 75
2.  $\frac{13}{5}$
3. dogs – 16  
cats – 4
4.  $\frac{7}{10}$
5. 505,025
6. add 0.3
7. 10
8. 08
9. 22
10. 505,055
11. 6
12. 3
13. 30
14. 9.35 a.m.

15. +3
16. Teacher check
17. 16
18.  $5\frac{2}{3}$
19. True
20. 4.07
21. 800
22. 3,885
23. 20
24. Teacher check
25. 10

## WEEK 14 pages 41–43

### Monday

1. 4
2.  $\frac{1}{2}$
3. Teacher check
4. 2,800
5. 1
6. 2.4
7. 5
8. 12
9. 1:3
10. 3, 2, 1
11. 233
12.  $19\frac{1}{3}$
13. subtract 9
14. True
15.  $\frac{1}{2}$
16.  $91 \times 9$  ~~3~~  
 $36 \times 9$  ~~9~~  
 $47 \times 9$  ~~4~~
17. 6
18. 9.5
19. 12.10 p.m.
20. 5

### Tuesday

1. 7.75
2. 35
3. False
4. 30
5. HH, TT, HT, TH
6. 10% of 80
7. 505
8. A
9. 9.54
10. Teacher check
11. 2
12.  $91 \times 9$  ~~423~~  
 $36 \times 9$  ~~819~~  
 $47 \times 9$  ~~324~~
13. 11
14. 0.2
15. 60
16. 9%, 90%, 99%
17.  $\frac{1}{8}$

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

18. 4,432,032  
19.  $\frac{1}{2}$   
20. 54

### Wednesday

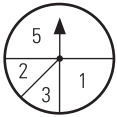
1. 8.4  
2. 10% of 70  
3. 17  
4. 925  
5. Teacher check  
6. 4  
7. add 2  
8. 80  
9. 12.08  
10.  $140 \times 7$  ~~1,218~~  
 $174 \times 7$  ~~980~~  
 $153 \times 7$  ~~1,071~~  
11. 12  
12. 36  
13. 13  
14.  $\frac{1}{2}$   
15. 1  
16. 68  
17.  $\frac{5}{6}$   
18. 110  
19. 16  
20. False

### Thursday

1. 19.5  
2. 72  
3. 12.30 a.m.  
4. True  
5. 26  
6. 26  
7. 6  
8. 3.303  
9. 1% of 100  
10. Teacher check  
11. 4  
12. True  
13. 4  
14. 0.870  
15. 10,000,000  
16. 5.95  
17. 64  
18. 24  
19. 20  
20. chilli

### Problem-solving

#### Monday

1.   
2.  $x = 9$     $y = 1$     $z = 0$

#### Tuesday

1. 45  
2. C

### Wednesday

1. 12  
2. 240  
3. 9

### Thursday

1. 6 and 9  
2. 9

### Friday Review

1. 6.75  
2. 5  
3. 600  
4. 20% of 50  
5.  $\frac{20 \text{ mm}}{320 \text{ mm}}$  16 mm  
6. 4  
7. 11  
8. 64,000  
9. 4.50  
10. 345  
11. 32  
12. subtract 0.2  
13.  $\frac{1}{4}$   
14. 75  
15. 55  
16. 10.3  
17. Teacher check  
18.  $\frac{1}{2}$   
19. 44  
20. 30  
21. 10  
22.  $\frac{1}{4}$   
23. 1.15 a.m.  
24. 66  
25.  $147 \times 7$  ~~1,043~~  
 $149 \times 7$  ~~1,015~~  
 $145 \times 7$  ~~1,029~~


### WEEK 15 pages 44–66

### Monday

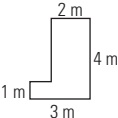
1. 8.75  
2. True  
3.  $a = 3,2$     $b = 6,1$   
 $c = 4,1$     $d = 1,5$   
4. 10.00 p.m.  
5. 90  
6.  $\frac{23}{7}$   
7.  $\frac{2}{1000}$  or 0.002  
8. A  
9. 0.25, 0.5  
10. 2.9  
11. 200,000  
12. 135  
13.  $\frac{62}{10} = 6\frac{2}{10} (6\frac{1}{5})$   
14. 5.4  
15. 4.2  
16. 82  
17. 1,700  
18. 12, 24, 36

19. 1 kg coffee for €4.50  
20. subtract next square number

### Tuesday

1. 10.4  
2.   
3.  $\frac{2}{3}$   
4. 50% of 24  
5. +  
6. 10  
7. €50 with 75% off  
8. 10  
9. 711  
10. 1,000,000  
11. 4  
12. 1.9  
13. 18.8  
14. 11  
15. 7.8  
16. 10,101,000  
17. 10% of 30 kg  
18. Teacher check  
19. 15  
20. 50

### Wednesday

1.  $-1^\circ\text{C}$   
2. 2.35  
3. 60  
4. 0.575  
5.   
6. 20  
7. 10,000  
8. +1 hour  
9. -  
10. add 3.3  
11. 7  
12. 20  
13. 20  
14. 4.5%, 45%, 54%  
15.  $\frac{3}{7}$   
16. 10  
17. 20  
18. 29  
19. 40,000  
20. 8

### Thursday

1. False  
2. 2% of 50  
3. 35  
4. 16, 36, 64  
5. 905  
6.  $\frac{3}{4}$

7. 78, 90  
8.  $\div$   
9.  $\frac{1}{4}$  kg apples for €1.20  
10.  $8\frac{1}{2}$   
11. 7  
12. 10.05  
13. Teacher check  
14. 40  
15. 75  
16. 20  
17. 25  
18. 18  
19. 125  
20. vertical

### Problem-solving

#### Monday

1. 8, 48  
2. 360

#### Tuesday

1. 400  
2. 32

#### Wednesday

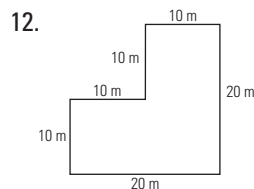
1. 50  
2. 20

#### Thursday

1.  $\frac{3}{10}$   
2. 3,750

### Friday Review

1. 5.65  
2. 20  
3. 80  
4. 62  
5.  $\div$   
6. (a) HH   (b) HT  
(c) TT   (d) TH  
7.  $6\frac{3}{10}$   
8. 10  
9. 4,900  
10. +1 hour  
11. 250 g sugar for €1.40



13. 20% of 50

14.  $\frac{21}{9}$   
15. 55  
16. 360,000  
17. 9

18. 15  
19.  $\frac{3}{7}$   
20.  $-3^\circ\text{C}$   
21. Teacher check  
22. 10

23. 2.9  
24. 25  
25. 18

### WEEK 16 pages 47–49

### Monday

1. 6.51  
2. False  
3. 50  
4. 8.4  
5. 20  
6. 20  
7. .755  
8.  $\frac{3}{7}$   
9. +  
10. 200 g of grapes for €1.50  
11.  $\frac{1}{5}$   
12. Teacher check  
13. 25% of 60  
14. 6,000  
15.  $5\frac{1}{3}$   
16.  $\frac{1}{2}$   
17. Teacher check  
18. 10  
19. 5:1  
20. 8

### Tuesday

1. 4.23  
2. 3.1  
3.  $\times$   
4.  $\frac{1}{3}$   
5. 10  
6. 5  
7. 6  
8. 0.3  
9. True  
10. 65  
11. Teacher check  
12. 61  
13. 110,055  
14. 4  
15. 39  
16. 2, 3, 5, 7, 11, 13, 17 and 19  
17. 52  
18. 6  
19.  $5^2$   
20. 25

### Wednesday

1. 8  
2.  $\frac{7}{9}$   
3. 7.96  
4. 99  
5.  $\frac{1}{7}$   
6. 95  
7. -

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

8.  $1\frac{1}{2}$
9. 1 in 5, or 20%
10. 25.09
11. Teacher check
12. 12
13. 51
14. 10,000,010
15. True
16. 2:3
17. hundred thousands
18. 32
19.  $2\frac{2}{8}(2\frac{1}{4})$
20. 66.00

## Thursday

1. 12
2. 100
3. 750 g of flour for 90c
4. 30r 6 or 30.6
5. 75% of 60
6. 0.14
7. 122
8. 21
9. 3,600
10. 10
11.  $10 + 3 \times 10$
12.  $10\frac{1}{2}$
13. 100,000
14. Teacher check
15. 7.78
16.  $\div$
17. 6
18. -€200
19. 6
20. 30

## Problem-solving

### Monday

1. 81
2. 63

### Tuesday

1. 1,000
2. 11

### Wednesday

1. 0.25
2.  $\frac{1}{4}$

### Thursday

1. 0.5
2.  $\frac{1}{2}$

## Friday Review

1. 8
2. 7.53
3.  $10\frac{2}{4}(10\frac{1}{2})$
4. 11.27
5.  $10 + 2 \times 10$
6. 6
7. 70
8. 249
9. hundred thousand

10.  $\times$
11. add 5.1
12. 63
13. True
14. 1 kg sugar for €1.40
15. 11.15 p.m.
16. 25% of 36
17.  $4\frac{3}{4}$
18. 64
19. Teacher check
20. 10
21. 40
22. 24
23. Teacher check
24. 0.15
25. 10:1

## WEEK 17 pages 50–52

### Monday



1.  $\times, +$
2. 12
3. -4
4. 0.25
5.  $\frac{3}{5}$
6. 0.75
7. 8.7
8. Teacher check
9. 545
10.  $\times$
11. 7.4
12. 135
13. €40 shirt with 40% off
14. 3 in 12 (1 in 4)
15. 1,000,011
16. subtract 4
17. 50% of 16
18. 50
19. 60
20. A

### Tuesday

1.  $\times, +$
2.  $+$
3.  $4\frac{3}{7}$
4. 14
5. 0.5
6. Teacher check
7.  $\frac{5}{7}$
8. 8 cm or 80 mm
9. 2,053,000
10. 202
11. 162
12. 24, 48, 72
13. Teacher check
14. 90
15. 4
16. 3
17. 0.1

18. Teacher check
19. 30
20. 2

## Wednesday

1.  $-, \times$
2. 12
3. 1
4. 0.12
5. 983
6.  $\div$
7. subtract 15
8. 
9.  $\frac{2}{3}$
10.  $\frac{1}{2}$
11. 90% of 90
12. 
13.  $8\frac{1}{10}$
14. 0.75
15. 125
16. 35
17. 1
18. 111,010
19.  $6\frac{1}{4}$
20.  $\frac{1}{3}, \frac{2}{3}$

## Thursday

1.  $\div, +$
2. 0.89
3. 7
4. 7.4
5.  $10\frac{1}{4}$
6. -
7. €800 table with 50% off
8. 0.5
9. 81
10. A = 1, 3  
B = 3, 2  
C = 5, 4
11. -2
12. 27
13. 2,053,893
14. 6
15. 48
16. 2
17. B
18. 0.21
19.  $\frac{27}{5}$
20. 8

## Problem-solving

### Monday

1. 6
2. 3

### Tuesday

1. triangular prism
2. hexagon



## Wednesday

1. 560
2. 616

## Thursday


1. 25
2. 100

## Friday Review

1.  $+, \times$
2. 1
3. 304
4. 108
5. 50
6. 3
7. 2, 3, 5, 7
8. Teacher check
9. 3,093,093
10. 0.62
11. 25
12. B
13. 63
14. 0.24
15. 
16.  $+$
17. 
18. subtract 7
19. 18
20. 80
21. 480
22. 4
23. 45
24. €600 carpet with 25% off
25. 36

## WEEK 18 pages 53–55

### Monday

1. 0.2
2. -4
3. 0.45
4. 12
5. True
6. 8.3
7.  $\times$
8. 12
9. €90 dress with  $33\frac{1}{3}\%$  off
10. 64
11.  $9\frac{1}{4}$
12. 0.35
13. 5,500,010
14. 7.0
15. 7.31
16. 0.4
17. 
18. add 2.4
19. 90

## 20. B

### Tuesday

1. 0.18
2. 60
3. 12
4. 11.5
5. 4
6. 10,110,000
7. 15
8. 72
9. 20 in 52
10. 10,000
11.  $\div$
12. 1.5
13. 900,000
14. 40
15. 42
16. 60% of 25
17.  $\frac{1}{5}$
18. 7.91
19. 81
20. A, C and E

### Wednesday

1. 0.32
2. -5
3.  $\frac{3}{4}$
4. 90,000
5. 8
6. 0.58
7. True
8. 56
9. Teacher check
10. -
11. 400,000
12. 12
13. 50% of 40
14. 160
15. 100
16. 10
17. 30
18. False
19. 2015 to 2016
20. 2014 to 2015

### Thursday

1. 0.9
2. -6
3. Teacher check
4. 28
5.  $+$
6. €900 bed with 10% off
7. True
8.  $5\frac{1}{4}$
9. 16 in 52
10. 310
11. 2.6
12. 50,000



# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

13. 7.87
14. Teacher check
15. hundred thousands
16. 40
17. 18
18. 95,000
19. 80,000
20. 0.8

### Problem-solving

#### Monday

1. purple
2. 0.2

#### Tuesday

1. Liam
2. A = 1,8  
B = 7,8  
C = 7,2  
D = 1,2

#### Wednesday

1. 2
2. 10

#### Thursday

1. Teacher check
2. 4,2


### Friday Review

1. 16 in 52
2. 0.6
3. True
4. 0.18
5. 210
6. 0.7
7.  $\frac{1}{4}$
8. 25
9. 25,000
10.  $\times$
11. 256
12.  $8\frac{2}{10}$
13. True
14. Teacher check
15. 0.65
16. 5,025,250
17. 6.22
18. 90,000
19. 260
20. -6
21. 36
22. 30
23. Teacher check
24. €900 laptop with  $33\frac{1}{3}\%$  off
25. Teacher check

### WEEK 19 pages 56–58

#### Monday

1. 0.3
2. 5
3.  $3\frac{1}{2}$  hours

4. 30
5. 15
6.  $\div$
7. 9
8. 70
9. 150
10. 0.155
11. 7,502,250
12. Teacher check
13. 199,900
14. 0.3
15. add 1.1
16. False
17. 
18. 12 in 52
19. 10
20. 750 g tea for €2.70

#### Tuesday

1.  $\times$
2. 18
3. 4
4.  $1.5 (1\frac{1}{2})$
5. 30
6. 318
7. 75
8. 17
9. 45
10. 0.5
11. 16
12. -2
13. 8
14. 0.005
15. add 8
16. 6
17. yes
18.  $\frac{1}{2}$
19. 25
20. 9

#### Wednesday

1. -6
2.  $2\frac{1}{2}$
3. 20
4. 0.14
5. 1,909,000
6. 575
7. 98
8. +
9. 0.25
10. 15 apples for €2.99
11. 21
12. Teacher check
13. 4
14. 9,452,980
15. 1
16. 325
17. 8.53
18. 34

19. 30
20. 50

#### Thursday

1.  $\frac{2}{3}$
2. 9
3. parallelogram
4. 4
5. 0.15
6. -3
7. + or -
8. 0.03
9. True
10.  $20\% = 0.2$
11. 75% of 20
12. 21
13. 121
14. Teacher check
15. scalene
16. Teacher check
17.  $10\frac{1}{5}$
18.  $1\frac{1}{4}$
19. 2
20.  $\frac{2}{4}$

### Problem-solving

#### Monday

1. 6
2. 4

#### Tuesday

1. Teacher check
2. 3500

#### Wednesday


1. Conor
2. Left hand – Conor  
Right hand – Liam

#### Thursday

1. 2.0 to 2.3 kg
2. 4,000

### Friday Review

1. 0.36
2. -3
3. 8
4. 42, 42
5. 45
6.  $6\frac{1}{2}$
7. 1,001,010
8.  $2\frac{1}{2}$
9.  $\div$
10. parallelogram
11. 0
12. 0.008
13. 4.5
14. 59.34
15. 105
16. 10
17. 750 g flour for €3.30
18.  $\frac{3}{4}$
19. 45


20. 36
21. 
22. 20%
23. 25
24. 8
25. 2

### WEEK 20 pages 40–41

#### Monday

1. -5
2. 13 in 52 or 1 in 4
3. isosceles
4. 0.16
5. 24
6. +, +
7. 0.009
8. 1.4
9. 9,850,725
10.  $\frac{31}{7}$
11.  $\frac{5}{6}$
12. 10
13. 15
14. 510
15. 10
16. 500 g corn for 95c
17. 45
18. 6 faces  
12 edges  
8 vertices
19. 5
20. Teacher check

#### Tuesday

1. 0.63
2. 1
3. -, -
4. 0.09
5. True
6. 312
7. 24
8. no
9. 4
10. 0.999
11. 0.99
12. 0.9
13. 
14. 4:1
15. 720
16. 5 faces  
9 edges  
6 vertices
17. quad  $720^\circ$   
tri  $360^\circ$   
pent  $540^\circ$   
hex  $180^\circ$
18. =
19. 48
20. 38

#### Wednesday

1. 1,200,000
2. -2
3. 0.995
4.  $3\frac{4}{9}$
5. 12
6.  $1\frac{1}{2}:1$
7. 07
8. 15
9. 0.6
10. True
11.  $\times, \times$
12. 0.9
13.  $\frac{2}{5}$
14. 5.5
15.  $\frac{3}{4}$
16. 2
17. 17
18. Teacher check
19. Teacher check
20. 3.0

#### Thursday

1. 35
2. 0.25
3. -4
4. 8
5. 390,000
6. 18
7. 2,900,000
8. 0.12
9.  $\div, \div$
10. scalene
11. 4,010,000
12. 18.99
13. 200
14. 6
15. 100 g sweets for 90c
16. 5
17. 05
18.  $1\frac{1}{6}$
19. yes
20. 413

### Problem-solving

#### Monday

1. 24, 6
2. 15, 10


#### Tuesday

1. 48
2.  $\frac{1}{5}$

#### Wednesday

1. 2,400
2. 240

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

<p style="text-align: center;"><b>Thursday</b></p> <p>1. <math>a = 36^\circ</math>  <math>b = 36^\circ</math>  <math>c = 36^\circ</math>  <math>d = 72^\circ</math></p> <p>2. W and Y</p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. -4                  2. 0.18                  3. 35                  4. scalene                  5. 75                  6. 48                  7. <math>10\frac{1}{4}</math>                  8. 0.999                  9. +, +                  10. 0.002                  11. False                  12. <math>\frac{1}{3}</math>                  13. 15.41                  14. 4 faces                      6 edges                      4 vertices                  15. subtract 3.2                  16. 10                  17. 079                  18. 500                  19. <math>\frac{5}{6}</math>                  20. 360                  21. 2:1                  22. 54                  23. Teacher check                  24. 500 g of peas for                      €1.00                  25. 0.25</p> <p style="text-align: center;"><b>WEEK 21 pages 62–64</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. -5                  2. 0.48                  3. 05                  4. 36                  5. +, ×                  6. 300 g of fruit for                      €1.44                  7. 2                  8. <math>1\frac{1}{3}</math>                  9. kite                  10. <math>(7 \div 1) - (5 + 2)</math>                  11. 40                  12. 6.7                  13. Teacher check                  14. <math>\frac{5}{6}</math>                  15. 2                  16. 1,000,010                  17. 12.57                  18. 0.005                  19. subtract 3.1                  20. 450</p>	<p style="text-align: center;"><b>Tuesday</b></p> <p>1. -8                  2. <math>2 \times 2 \times 2 \times 2 = 32</math>                  3. 5                  4. 0.28                  5. <math>\frac{31}{7}</math>                  6. <math>\frac{3}{4}</math>                  7. <math>\div, -</math>                  8. Teacher check                  9. 625                  10. 15                  11. 5.585                  12. yes                  13.                   14. 8                  15. 36                  16. 360                  17. 4                  18. 30                  19. 5                  20. 2,250,000</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 0.03, 12%, 0.3, 0.36,  <math>\frac{3}{5}</math>                  2. 16                  3. 4                  4. 180                  5. 60                  6. -6                  7. 0.27                  8. 60                  9. 2                  10. 6                  11. 1,400                  12. Teacher check                  13. ×, -                  14. 10.22                  15. 100                  16. 16                  17. 0.05                  18. <math>(70 \div 10) \times (5 \times 1)</math>                  19. 02                  20. 10.94</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 75%, <math>\frac{2}{3}</math>, 0.09, 0                  2. rhombus                  3. <math>10\frac{1}{2}</math>                  4. 8.45                  5. 45                  6. 1                  7. <math>\frac{8}{5} = 1\frac{3}{5}</math>                  8. -9                  9. 420                  10. 19                  11. 0.35                  12. 1,000,000                  13. 3</p>	<p>14. 22                  15. 200                  16. 200 g sweets for                      €1.60                  17. 9.696                  18. 6                  19. 2                  20. 12</p> <p style="text-align: center;"><b>Problem-solving</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 6 m by 2 m                  2. 24</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. 5                  2. 300</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 6500                  2. 350</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 130                  2. 325</p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. 0, 0.07, 21%, <math>\frac{4}{5}</math>, 0.92                  2. 12                  3. 2,200                  4. 0.27                  5. 02                  6. Teacher check, 625                  7. 2.5                  8. 25                  9. 3                  10. ×, +                  11. 45                  12. 4                  13. 15.94                  14. 0.905                  15. 10                  16. 2,800                  17. Teacher check                  18. <math>\frac{10}{5} = 2</math>                  19. 4                  20. 500 g sugar for €2.50                  21. Double                  22. 210                  23. 4                  24. 7.919                  25. 48</p> <p style="text-align: center;"><b>WEEK 22 pages 65–67</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 351                  2. -11                  3. 30 in 40 (3 in 4)                  4. 0.16                  5. 4                  6. <math>3 \times 3 \times 3 = 27</math>                  7. 1</p>	<p>8. <math>\frac{2}{3}</math>                  9. 70                  10. +, ×                  11. 0.998                  12. <math>\frac{16}{10} = 1\frac{6}{10} = 1\frac{3}{5}</math>                  13. 4 faces                      6 edges                      4 vertices                  14. 50                  15. 9 a.m.                  16. 459                  17. 5                  18. 23 or 29                  19. -16                  20. 36,000</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. -11                  2. 0.45, 0.3, 0.2, 0.015                  3. 10,001,001                  4. <math>\frac{3}{4}</math>                  5. 64                  6. 180                  7. <math>\frac{5}{10}</math>                  8. 0.42                  9. Teacher check                  10. -, ÷                  11. 10                  12. 2.005                  13. 25                  14. parallelogram                  15. 3                  16. 9                  17. 20.06                  18. 19,000                  19. 6                  20. 50%</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 10,010,010                  2. -5                  3. <math>\frac{1}{6}</math>                  4. +2 hours                  5. <math>\frac{2}{100}, \frac{1}{10}, \frac{1}{2}, \frac{3}{4}</math>                  6. 2                  7. 5.8                  8. pentagonal prism                  9. 40                  10. 0.45                  11. -5 °C                  12. 5                  13. 7.579                  14. 850                  15. 360                  16. 8                  17. 3%, 0.09, 0.14, <math>\frac{1}{4}</math>                  18. 180                  19. 900,000                  20. 3</p>	<p style="text-align: center;"><b>Thursday</b></p> <p>1. -12                  2. <math>(80 \div 10) \times (1 + 7) - 60 = 4</math>                  3. trapezium                  4. 0.2                  5. 9                  6. 03                  7. <math>\frac{22}{20} = 1\frac{2}{20} = 1\frac{1}{10}</math>                  8. -, ÷                  9. €50 jacket with a                      20% discount                  10. 105,000                  11. 05                  12. 42                  13. 80                  14. 6                  15. 0.045                  16. 8.735                  17. 38,000                  18. 81                  19. 6                  20. 9</p> <p style="text-align: center;"><b>Problem-solving</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 450 mins or <math>7\frac{1}{2}</math> hrs                  2. 28</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. 7                  2. 3.5</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. Teacher check                  2. 20</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 18                  2. 900</p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. 0.15                  2. <math>(60 \div 10) \times (1 + 9) - 6 = 54</math>                  3. 2                  4. 45                  5. hexagon                  6. -11                  7. 2                  8. 3,000                  9. 8                  10. <math>\frac{15}{20} = \frac{3}{4}</math>                  11. 711                  12. 3 p.m.                  13. 35                  14. 6                  15. 1.2                  16. 20.53                  17. <math>\frac{4}{5}</math>                  18. <math>\frac{4}{10}</math> or <math>\frac{2}{5}</math>                  19. 20</p>
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# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

20. 004  
21. 9  
22. 5.569  
23. 0.075, 8.5%, 0.82,  $\frac{9}{10}$   
24. 360  
25. 20% or 0.2

## WEEK 23 pages 68–70

### Monday

1. -12  
2. 0.36  
3.  $\frac{2}{4}$  (or  $\frac{1}{2}$ )  
4.  $-$ ,  $\div$   
5.  $\frac{2}{5}$   
6. 10,111,000  
7. 375  
8. 1.5  
9. 60  
10. 352  
11. 04  
12. 210  
13. 30  
14. 400  
15. 17.8  
16. 162,500  
17. 350  
18. yes  
19.  $\frac{3}{4}$   
20. 60

### Tuesday

1. 0.4  
2.  $-$ ,  $\div$   
3. 5  
4. 8,600  
5. 0.2  
6. 004  
7. Multiply by 3  
8. 7.265  
9. 750  
10. 4 in 52 (1 in 13)  
11. -10  
12. 1  
13. 300  
14. 100  
15. 2.2, 2.02, 2.002, 2.0  
16. 16  
17. 4  
18. 25  
19.  $\frac{1}{8}$   
20. 12

### Wednesday

1. -10  
2.  $\frac{2}{3}$   
3. 0.2  
4.  $\times$ ,  $+$   
5. 4  
6.  $\frac{54}{5}$   
7. 65

8. 23  
9. 1  
10. 65,000  
11. 16  
12.  $\frac{3}{5}$   
13. no  
14. 125  
15. 10,000,101  
16. 4  
17. 7.366  
18.  $\frac{2}{100}$ ,  $\frac{1}{5}$ ,  $\frac{1}{3}$ ,  $\frac{3}{4}$   
19. 420  
20. €80 suit with 75% discount

### Thursday

1. 2, 20, Teacher check  
2. -8  
3. Teacher check  
4. hundredths  
5. 0.6  
6. 35  
7. +9 hours  
8.  $2\frac{2}{5}$   
9. 680  
10. 25  
11.  $2\frac{2}{5}$   
12. 5  
13. 3.65  
14. 0.2  
15. 10  
16. 0.054  
17. 25  
18. Teacher check  
19. 10  
20. 400

### Problem-solving

#### Monday

1. 4,800  
2. A = 1,200  
B = 2,400

#### Tuesday

1. 0.25  
2. 75

#### Wednesday

1. 72  
2. 16

#### Thursday

1. B  
2. A = 25  
B = 50  
C = 10

### Friday Review

1. -13  
2. 40  
3.  $\frac{4}{5}$   
4. 57  
5.  $4\frac{3}{5}$   
6. 1,700

7. 59,000  
8. 7  
9. 150  
10. Teacher check  
11.  $-$ ,  $\div$   
12. 5.575  
13. 166,500  
14. 5  
15. 300  
16.  $\frac{1}{3}$ ,  $\frac{3}{10}$ ,  $\frac{1}{5}$ ,  $\frac{1}{100}$   
17. 60  
18. 4.48  
19. +5 hours  
20. 10  
21. 6  
22. pentagonal prism  
23. 7 faces  
15 edges  
10 vertices  
24. 616  
25. 90

## WEEK 24 pages 71–73

### Monday

1. -9  
2. 360  
3. Teacher check  
4.  $\frac{29}{3}$   
5. 0.25  
6. 1  
7.  $\frac{4}{5}$   
8. 12  
9. 9  
10. 0.6  
11. 0.3  
12.  $9\frac{2}{5}$   
13. 42  
14. 4.613  
15.  $5\frac{2}{5}$   
16. 310  
17. 10  
18. 37r1  
19. 0.7  
20. 4.05

### Tuesday

1. -14  
2. 36  
3. 54  
4.  $\frac{6}{7}$   
5. 10,110,110  
6. 12r7  
7. 03  
8. 27  
9. 5 faces  
8 edges  
5 vertices  
10. 

12	15	18	21	24	27	30	33	36
16	20	24	28	32	36	40	44	48

11. 6  
12. 0.995  
13. 10,000  
14. 360  
15. True  
16.  $6\frac{3}{10}$   
17.  $\frac{9}{10}$   
18. 36  
19. 625  
20. 250

### Wednesday

1. units  
2. -14  
3. 0.52  
4. 6, 16  
5. 8  
6. 5  
7.  $\frac{1}{6}$   
8. cylinder  
9. 27  
10. 6 faces  
12 edges  
8 vertices  
11. 120  
12. 6.153  
13. 3 in 9 (1 in 3)  
14.  $\frac{1}{4}$   
15. 7  
16. no  
17. 135  
18. 9  
19. 16  
20.  $\frac{1}{2}$ , 0.5, Teacher check

### Thursday

1. 1, 10, Teacher check  
2. 300  
3. Teacher check  
4.  $\frac{2}{4}$  ( $\frac{1}{2}$ )  
5. 2.57  
6. 2, 22  
7. 0.36  
8.  $10\frac{1}{3}$   
9. 005  
10. 45  
11. 6.337  
12. 808,  $2\frac{1}{2}$ , 1.8  
13. 

12	16	20	24	28	32	36	40	44	48
18	24	30	36	42	48	54	60	66	72

  
14. 24.079  
15. 360  
16. 0.991  
17. 3.24  
18.  $12\frac{3}{5}$   
19. 4  
20. 125

## Problem-solving

### Monday

1. 

8	12	16	20	24	28	32	36	40	44	48
10	15	20	25	30	35	40	45	50	55	60

2. 60

### Tuesday

1. A  
2. B

### Wednesday

1. 40  
2. 80


### Thursday

1. 300  
2. 60, 12

### Friday Review

1. 0.38  
2. 0.25  
3. -7  
4. Teacher check  
5. 480  
6.  $\frac{1}{2}$   
7.  $6\frac{3}{5}$   
8. 20  
9. 49  
10. 5.422  
11. 3.679  
12. 166  
13. 0.993  
14. 55  
15. 

4	9	2
3	5	7
8	1	6

  
16.  $11\frac{2}{4}$  or  $(11\frac{1}{2})$   
17.  $\div$ ,  $+$   
18.  $\frac{52}{7}$   
19.   
20. 5 faces  
9 edges  
6 vertices  
21. 6.629  
22. 360  
23. 33

24. 

4	8
8	16
12	24
16	32
20	40
24	48
28	56
32	64
36	72
40	80


25. 1 in 100

## WEEK 25 pages 74–76

### Monday

1. -14  
2.  $\frac{3}{4}$   
3. 70  
4. 600


# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

5. 0.6
6.  $\frac{2}{5}$
7. yes
8.  $29\frac{2}{3}$
9. Teacher check
10. 75
11. 05
12. 6.514
13. 135
14. 20.485
15. 75
16. 1,000,000
17. 
18. 40
19. 120
20. 50% of 20

### Tuesday

1. 55
2. 1,000,000
3. 700
4. 100,000
5. -16
6. 150
7.  $\frac{1}{16}$
8. 0.48
9. 5
10. pentagonal pyramid
11. 6
12. 10
13. 6
14. 35
15. 0.009
16. 2.328
17.  $\frac{5}{6}$
18. 25
19. 48
20. 46

### Wednesday

1.  $\frac{3}{8}$
2. 240
3.  $5\frac{3}{5}$
4. 0.7
5. 15.509
6. 2.4
7.  $\frac{1}{10}$
8. hexagonal prism
9. 8 faces  
18 edges  
12 vertices
10. 
11. 25
12. 1,000,000
13. 0.009,  $3\frac{1}{2}$ , 7.07
14. 360
15. 25
16. 310
17. 40

18. 5 in 15 (1 in 3)
19. 0.05
20. 4.05

### Thursday

1. 560
2. 100
3. 45
4. 7.3
5. Teacher check
6.  $\frac{1}{4}$
7. 4
8. 9
9. -14
10. 7.226
11. 4
12. 6,800
13. 14.207
14. 004
15.  $\frac{1}{2}$ , 0.1, 0.049, 3%
16. 4.5
17. 11
18. 270
19. 35% of 100
20. yes

### Problem-solving

#### Monday

1. 160
2. 1,600

#### Tuesday

1. 30
2. 3

#### Wednesday

1. Thursday 22nd of July
2. 8 p.m.

#### Thursday

1. 4
2.  $3\frac{2}{3}$

### Friday Review

1. yes
2. -15
3. 24
4.  $\frac{1}{8}$
5. 1,200
6. 0.32
7. 0.55,  $\frac{1}{2}$ , 0.1, 5%
8. 0.998
9. 14.857
10. 2
11. 004
12. 1,000
13. 1,900,000
14. False
15. 35
16. 2.25
17. 60
18. 0.005
19. 300

20. 9
21. 50% of 16
22. 360
23. 009
24. 5
25. Teacher check

### WEEK 26 pages 77–79


#### Monday

1.  $\frac{5}{8}$
2. 400
3. 20
4. -13
5. 0.9, 0.222, 0.11, 5%
6.  $\frac{3}{4}$
7. 0.54
8. 5.264
9. 16.632
10. 30% of 100
11. 2
12. 25
13. 14
14. 0.12
15.  $4 \times 4 \times 4 = 64$
16. 50
17. A = 2,2  
B = 0,3  
C = 5,0
18.  $\frac{2}{4} = \frac{1}{2}$
19. 10,990,090
20. 3


#### Tuesday

1. -11
2. 300
3. 28
4. 0.75
5. 50
6. 1,750
7. Teacher check
8. 14.369
9. 5
10. 5
11. 0.18
12. 16
13. 8, 80, 80
14. 7 faces  
15 edges  
10 vertices
15. 5
16. A = 5,2  
B = 1,4  
C = 3,1
17. 30
18. 28
19. 202,000
20. 4

### Wednesday

1. 
2. -9
3. 64
4. 10.44
5. 30
6. 6
7. 80
8. 70
9. 024
10. 4%, 0.5, 2,  $6\frac{1}{4}$
11.  $\frac{2}{4} = \frac{1}{2}$
12. 0.3
13. 6
14. 0.4
15. 9.1
16. 20
17. 150
18. 6
19. 0
20. -, ÷

### Thursday

1. 180
2. 12,000
3. 0.78
4. 4.353
5. 200
6. 1,813
7. 23.068
8.  $\frac{6}{7}$
9. 36
10. 
11. 4
12.  $\frac{1}{6}$
13. 7.98
14. 75% of 60
15. yes
16. 5
17. 50
18. 6
19. A = 2,2  
B = 0,3  
C = 5,0
20. 16.50

### Problem-solving

#### Monday

1. 0.5
2. 4,000

#### Tuesday

1. 16,000
2. B

#### Wednesday

1. Teacher check, 0.18
2. Teacher check, 0.32

#### Thursday

1. 5
2. 40, 80


### Friday Review

1. 1
2. -11
3. 32
4. 0.48
5. A = 3,4  
B = 0,2  
C = 4,0
6. 54
7. 7
8. 11
9. 10
10.  $\frac{1}{6}$
11. 9
12. 24,000
13. 35
14. Teacher check
15. 6.312
16. 35% of 100
17. 200
18. 75
19. no
20.  $14\frac{4}{8}$  or  $14\frac{1}{2}$
21. 9
22. 3,250
23. 38
24. 1,716
25. 22.50

### WEEK 27 pages 80–82

#### Monday

1. 4
2. 200
3. -6
4.  $\frac{88}{8}$
5. 2,100
6. 3,000
7. 0.3
8. 12.568
9. 300
10. 13
11. 01
12. 50,000
13.  $\frac{2}{9}$
14. 10

15. 
16. 6000

17. 20
18. 15
19. Teacher check
20. right-angled triangle

#### Tuesday

1. -3
2. 30
3. 10,001,001
4. 70% of 90
5. 5

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

6.  $\frac{473}{1,000}$ ,  $2\frac{1}{5}$ , 4.00,  $\frac{41}{10}$ , 34
7. 12
8. scalene
9. 05, 5
10. 5
11. 40
12. 3
13. 45
14. 1,000
15. 25
16. 50
17. 2,020,002
18. 75
19. octahedron
20. Teacher check

### Wednesday

1. 0.51
2. 0.02
3. 4
4. 2,000
5. 15.2
6. 600,000
7. 20
8. 40
9. 04
10.  $\frac{1}{2}$
11. 53
12. 40
13. 25.2
14. 3
15. 2
16. 24
17. 25
18. 0.2
19.  $\frac{1}{4}$ , 0.1, 8%
20. a – 100  
b – 80°

### Thursday

1. 2.50
2.  $\frac{1}{3}$
3. isosceles
4. 40
5. 1
6. 0.04
7. 0.289
8. +3
9. 20% of 80
10. Teacher check
11.  $\frac{1}{6}$
12. 29.2
13. 4
14. 50
15. 08
16. 4
17. 54
18. 121
19. 3
20. 3,000

### Problem-solving

#### Monday

1. 125, 62.5
2. 50, 125, 12.5

#### Tuesday

1. 9 and 5
2. 6 and 8

#### Wednesday

1. 30
2. 300

#### Thursday

1. 7, 7, 8
2. 800


### Friday Review

1. 16
2. 1,800
3. 0.03
4. 3,650
5. 02
6. +4
7. 5.5
8. 0.6
9. 4.272
10. 700,000
11. Teacher check
12. 63
13. 35
14.  $\frac{2}{12}$  or  $\frac{1}{6}$
15. scalene
16. 1,800
17. 50
18. 8
19.  $\frac{71}{1,000}$ ,  $\frac{3}{5}$ ,  $\frac{71}{100}$
20. 3,033,500
21. 15
22. 24
23. 37.50
24. 10
25. 75

### WEEK 28 pages 83–85

#### Monday

1. +1
2. 0.36
3. 3.467
4.  $7\frac{1}{9}$
5. 2,000
6. 8
7. 1,600
8. 1
9. 70,000
10. 065
11. 16.18
12. 4.045
13. 025
14. 24,000
15. 5
16. 3

17. 
18. 60
19. Teacher check
20. 50% of 50

### Tuesday


1. –3
2. 24
3. 15
4.  $\frac{1}{4}$
5. 500
6. 210
7. 14.018
8. equilateral
9. 9,000
10. 2
11. 089
12.  $\frac{19}{4}$
13. tetrahedron
14. 2
15. 0.51
16. 12
17.  $\frac{3}{8}$
18. 4
19.  $\frac{1}{8}$
20. yes

### Wednesday

1. 32.016
2. triangular pyramid
3.  $\frac{2}{3}$
4. –4
5. 20
6. 20.076
7. thousands
8. 35
9. 64
10. 40% of 25
11. 095
12. 16
13. 3
14. 6
15. 1
16. A
17. 0.09
18. 13
19. square
20. 4.0

### Thursday

1. 0.9
2. 12 in 52
3. 5
4. 28
5. 20
6. 0.015
7.  $4\frac{10}{20}$  (or  $4\frac{1}{2}$ )
8. 3
9. 35

10. 18
11. 360
12. 3
13. 7.1
14. 
15. 400
16. 100
17. 035
18. 5
19. 6
20. B

### Problem-solving

#### Monday

1. 250
2. Conor, Luke, Liam, Ian

#### Tuesday

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

#### Wednesday

1. 4
2. 6

#### Thursday

1. 35
2. scalene

### Friday Review

1. pentagonal
2. +4
3. Teacher check
4. perpendicular
5. 0.34
6. 0.07
7. 025
8. 6
9. 40
10. 28
11. 8.19
12. 900
13. 140
14. F
15. 085
16. 55
17. 36,000
18. 0.14
19. 15
20. 12
21. 80
22. 100
23. 3
24. 56
25. 2

### WEEK 29 pages 86–88

#### Monday

1. 315
2. 32
3. right

4. 0.005 (or  $\frac{5}{1,000}$ )
5. 0.925
6. 0.6
7.  $\frac{1}{2}$
8. 9
9. 20
10. 5%, 0.99,  $3\frac{2}{3}$
11. parallel – A  
perpendicular – B
12. 19
13. 24
14. 032
15. 875
16. 20
17. 20
18. 5
19. 1
20. 002

### Tuesday

1. 20
2. –6
3. 36
4. 2,250
5. 54.12
6. 50
7. acute
8. 408
9. rhombus
10. 0.48
11. 049
12. 27.036
13. tens
14. 1,500
15. 4
16. 33
17. 36
18. 100
19.  $\frac{1}{8}$
20.  $\frac{3}{8}$

### Wednesday

1. 4, 2
2. 1, 4
3. +4
4. obtuse
5. False
6. 1,800
7.  $\frac{1}{2}$
8. 21
9. 0.4
10. 3
11. 7
12. 100
13. octahedron
14. +3
15. 5
16.  $\frac{1}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$
17. 10
18. 360

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

19. True  
20. 1,000,000
- Thursday**
1. 0.36
  2. 309
  3. 35
  4. 5
  5.  $\frac{1}{2}$
  6. 31
  7. 100
  8. 2
  9. hundred thousands
  10. 75
  11. 8
  12. 4
  13. 4
  14. 100
  15. True
  16. 360
  17.  $\frac{1}{3}, \frac{3}{6}, \frac{2}{3}, \frac{8}{9}$
  18. 007
  19. (a) 100  
(b) 50
  20. 1 in 2 or 50%

**Problem-solving**

**Monday**

1. 2,800
2. 1,440

**Tuesday**

1. 10
2. 50

**Wednesday**

1. 4:8
2. 12:18

**Thursday**

1. A
2. A = 25  
B = 50  
C = 10

**Friday Review**

1. 61
2. 10
3. 600
4. 005
5. obtuse
6. 40
7. 25
8. 7
9. 1
10. True
11. 4
12. 62
13. +1
14. 25
15. octagon
16. 24
17. 2.34, 90%, 18%, 0.11

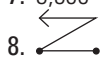
18.  $\frac{1}{2}$
19. True
20. 20,488
21. 1.2
22. 240
23. 64
24. pentagonal
25. 100

**WEEK 30 pages 89–91**

**Monday**

1. 2
2. 10
3. 510
4. 8
5. 350
6. 16
7. 011
8. 25
9. 8
10. 100
11. 0
12. 10,000,800
13. 480
14. 2
15. 2
16. 13
17. 42
18. 0.8
19. 1,500
20. 200

**Tuesday**

1. no
2. 8 faces  
12 edges  
6 vertices
3. 1,800
4. 0.34
5. -2
6. 1.3
7. 3,500
8. 
9.  $\frac{3}{8}$
10. False
11. 10
12. 25
13. 8
14. 16
15. 15 in 20 (3 in 4)
16. 11
17. Teacher check
18. 5
19. 180
20. A and D  
C and F  
B and E

**Wednesday**

1. 3
2. 04
3. 1.9
4. E
5. 25
6. -3
7. 560
8. 5
9. 400
10. kite
11. 1.8
12. N
13. 27
14. 4
15. 7
16. 960
17. 044
18. 40
19.  $\frac{1}{8}, \frac{1}{4}, \frac{5}{10}, \frac{6}{8}$
20. 6

**Thursday**

1. 132
2. 3
3. 90 and 180
4. 10
5. 1,350
6. 22
7. 8
8.  $9\frac{9}{10}$  (or  $9\frac{4}{5}$ )
9. 1.1
10. 315
11. 8
12. -2
13. 7
14. 12
15. 10.1
16. 1
17. Teacher check
18.  $6\frac{1}{4}$
19.  $\frac{2}{6}, \frac{1}{2}, \frac{2}{3}, \frac{7}{9}$
20. 8

**Problem-solving**

**Monday**

1. 68
2. 42.50

**Tuesday**

1.  $\frac{2}{5}$
2. 25, 35

**Wednesday**

1. Teacher check
2. 1.2

**Thursday**

1. 12.00
2. 4.32


**Friday Review**

1. 6
2. 1.7

3. +6
4. 12
5. 2
6. 8
7. 8
8. 8
9. 27
10. 022
11.  $4\frac{1}{4}$
12. A and C
13.  $7\frac{16}{20}$  (or  $7\frac{4}{5}$ )
14. 250
15. 28
16. 9.7
17. 0.14
18. 450
19. 6.0
20. 960
21. 2,000
22. 200
23. 8.1
24. 20
25. 30

**WEEK 31 pages 92–94**

**Monday**

1. 4
2. 1
3. 360
4. -4
5. 6.00
6. False
7. 253
8. 6.96
9. 5
10. 2
11. no
12. 25
13. 24
14. Teacher check
15. 06
16. 3.1
17. 
18. 0.50 (or  $\frac{1}{2}$ )
19. 66
20. 46

**Tuesday**


1. True
2. 8 faces  
12 edges  
6 vertices
3. 3
4. +5
5. 300,000
6. 45
7. right
8. 250
9. 66
10. cube

11. 36
12. no
13. yes
14. 54
15. Teacher check
16. 6.1
17. metre stick
18. 09
19. 900,000
20. 3,600,000

**Wednesday**

1. 4
2. 1,1
3. 3,4
4. 1.1
5. 130
6. 64
7. 80
8. 375
9. 4.4
10. 96
11. 1.1
12. cube
13.  $\frac{3}{6}$  (or  $\frac{1}{2}$ )
14. 7
15. Feb
16. June
17. Jan
18. 10
19. April/May
20. May

**Thursday**

1. -2
2. 1.25
3. 
4. 0.3
5. 20
6. 945
7. 0
8.  $\frac{3}{6}$  (or  $\frac{1}{2}$ )
9. 4.6
10. 410
11. False
12. A, B
13. ×
14. 8
15. yes
16. 100
17. 150
18. 2.1
19. cube
20. 4

**Problem-solving**


**Monday**

1. 2:3
2. 18:10

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

<p style="text-align: center;"><b>Tuesday</b></p> <p>1. 9:12 2. 4</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 5:3 2. 45</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 60 2. 10</p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. 3 2. 3 3. 5.10 4. False 5. 295 6. <math>\frac{4}{15}</math> 7. 10 8. 420,000 9. <math>\frac{2}{3}</math> 10. 225 11. cube 12. 140 13. True 14. 24 15. <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center; width: 40px; height: 40px;"> <tr><td>4</td><td>9</td><td>2</td></tr> <tr><td>3</td><td>5</td><td>7</td></tr> <tr><td>8</td><td>1</td><td>6</td></tr> </table></p> <p>16. 8 faces 12 edges 6 vertices</p> <p>17. reflex 18. 3 19.  20. 16 21. 4.4 22. 1.2 23. 29,700,000 24. 360 25. <math>\frac{3}{8}</math></p> <p style="text-align: center;"><b>WEEK 32 pages 95–97</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 6,300,000 2. 5 3. 10 4. <math>\times</math> 5. 10,512,015 6. 0.80 7. hundred thousands 8. 1.20 9. 90 10. 15, 21, 27 11. 100 12. <math>3\frac{3}{5}</math> 13.  14. 15.607</p>	4	9	2	3	5	7	8	1	6	<p>15. <math>l \times w</math> 16. 1 17. kitchen scales 18. 160,000 19. True 20. 5</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. <math>\frac{3}{4}</math> 2. 3,650,000 3. 60 4. 7.75 5. right 6. 6,050 7. <math>-4</math> 8. 045 9. trundle wheel 10. 72 11. 5 12. <math>8\frac{1}{5}</math> 13. 21.369 14. 9 15. 22 16. 1 17. no 18. 9 19. True 20. regular octagon</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 2.00 2. 8,200,000 3. <math>\frac{5}{6}</math> 4. 7,092 5. 15 6. <math>\frac{49}{5}</math> 7. 40 8. 4 9. 55 10. <math>105^\circ</math> 11. <math>\frac{43}{8}</math> 12. 8 13. 6 14. 375 15. 70 16. <math>\times</math> 17. 62 18. 1%, 0.1, <math>\frac{5}{10}</math>, 0.99 19. 0.3 20. 0.3</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 70 2. <math>-17</math> 3. 103 4. 008 5. 44 6. 625 7. 5,000,005 8. 4.25</p>	<p>9. 4,200 10.  11. 1:3 12. 6.03 13. 5.8 14. 40 15. 12.547 16. kitchen scales 17. 130,000 18. 1,100 19. 160 20. 5</p> <p style="text-align: center;"><b>Problem-solving</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 65 2. 35</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. 50 2. 50</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. (a) 6 = blue (b) 8 = green 2. (a) 2 = red (b) 4 = yellow</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. €2, 50c 2. €1, €1, €2</p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. millions 2. <math>\frac{5}{6}</math> 3. 91 4. 55 5.  6. 7 7. 96,000 8. 8 9. 4 10. 7 11. 18 12. 6 13. <math>l \times w</math> 14. 35 15. 81 16. 4 17. 60 18. 2.075 19. 40 20. 5 21. 1,500 22. 025 23. 4 24. 15 25. 60</p> <p style="text-align: center;"><b>WEEK 33 pages 98–100</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 1,300,000 2. 3</p>	<p>3. 4 4. yes 5. kitchen 6. 004 7. <math>\frac{1}{8}</math> 8. 81 9. 0.2 10. 9 11. 100,000 12. Teacher check 13. 7,205 14. 0.8 15. 54 16. 350 17. 88 18. 12.00 19. <math>10 \times \frac{10}{1}</math> 20. 7,920,000</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. 10 2. 35 3. 8 faces 12 edges 6 vertices 4. 6,090,000 5. 87,000 6. 14.972 7. 5 8. 21 9.  10. <math>\frac{1}{4}</math> 11. Teacher check 12. Teacher check 13. 48 14. 54 15. 1,000 16. <math>5\frac{1}{2}</math> 17. 30 18. 107 19. <math>\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{7}{8}</math> 20. 1,750</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 2,750,000 2. 21.588 3. 5 4. <math>2\frac{3}{4}, 3\frac{1}{4}</math> 5. 1.5 cm (or 15 mm) 6. <math>-5</math> hours 7. no 8. kitchen scales 9. <math>\frac{1}{81}</math> 10. 21 11. 11, 13, 17 and 19 12. 120 13. 41 14. 8,005 15. True</p>	<p>16. 9 17. 12 18. 0.1 19. 8 20. 6</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 36 2. 0.6 3. 18 4. 3,050,000 5. 055 6. <math>\frac{3}{8}</math> 7. 5 8. 255,000 9. <math>\frac{5}{6}</math> 10. 35 11. 4 12. 15 13. 3 14. reflex 15. 12 16. no 17. True 18. 40 19. 1 20. (a) 2 (b) 8</p> <p style="text-align: center;"><b>Problem-solving</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. <math>\times 6, \times 4, \times 8, \times 8</math> 2. 70</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. (a) 2.50 (b) <math>2 \times 1</math> and <math>50 \times 1</math></p> <p>2. 4,000</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 500 2. 12,500</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 3 2. 5</p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. 36 2. 4 3. 3,200,000 4. no 5. 96 6. 025 7. <math>\frac{1}{8}</math> 8. 2,310 9. Teacher check 10. 3%, 0.3, 51%, <math>8\frac{1}{2}</math> 11. B 12. 20.36 13. 203 14. 6 15. 9</p>
4	9	2											
3	5	7											
8	1	6											

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

16.  $\frac{5}{8}, \frac{1}{8}, \frac{2}{8} (\frac{1}{4})$
17. ruler
18. 34
19. 4.5
20. 6
21. 
22. 16.509
23. 300
24.  $\frac{1}{3}, \frac{1}{2}, \frac{4}{6}, \frac{8}{9}$
25. +3

## WEEK 34 pages 101–103

### Monday

1.  $\frac{2}{3}$
2. 7
3.  $2 \times \text{radius}$
4. 3
5.  $1\frac{2}{5}$
6.  $\frac{3}{8}$
7. 2,080,000
8. 81,000
9. 50%
10. 25
11. 15
12. 64
13. triangular prism
14. 24
15. thousandths
16. 12
17. 21
18. 125
19. 531
20. 4.5

### Tuesday

1. 6
2. 6
3. kitchen scales
4.  $2\frac{1}{3}$
5. 140
6. 2,800,000
7.  $\frac{1}{8}$
8. 9,500,000
9. 14
10. 10
11. thousandths
12. 121
13. 5,000 ml container
14. 45
15. 3,375
16. 2, 3, 4
17. 101
18.  $0, \frac{1}{4}, 0.3, \frac{2}{4}, \frac{2}{3}$
19. 2
20. 441

### Wednesday

1. 6,057,000
2. 5
3.  $3\frac{4}{5}$

4.  $2 \times \text{radius}$
5. 135
6.  $\frac{1}{10}$
7. 351
8.  $\frac{7}{10}$
9. 6:1
10. 10
11. 100,000,000
12.  $\frac{1}{3}, \frac{3}{4}, \frac{4}{5}, 0.88, 1\frac{1}{5}$
13. 39,000
14. 360
15. 0.1
16. 5
17. 2
18. Teacher check
19. 2,000
20. 240

### Thursday

1. 9
2.  $\frac{4}{6}$  (or  $\frac{2}{3}$ )
3. 6
4. 15 hours 20 minutes
5. 10,650,000
6.  $\frac{1}{3}$
7. 800,000
8. 025
9.  $\frac{1}{5}$



11. 12
12.  $\frac{29}{100}$
13. 10,000
14. 2
15. 6,000
16. 4, 4.1
17. Teacher check
18. Teacher check
19. 3.00
20. 18.368

### Problem-solving

#### Monday

1. 8
2. 125

#### Tuesday

1. Teacher check – holidays
2. Teacher check

#### Wednesday


1. 28
2. 9,600

#### Thursday

1. 20.00
2. 8.40

### Friday Review

1. 4,730,000
2. 9
3. 5

4. 10
5. 100.1
6.  $2 \times r$
7. 10
8. 002
9.  $\frac{1}{10}$
10. thousandths
11. Teacher check
12. 121
13. 96
14. 75
15. 18
16. 60
17.  $\frac{9}{4}$  (or  $2\frac{1}{4}$ )
18. 10,000,000
19. 
20. 3, 4
21. 21.599
22. 3 min 20 sec
23. 360
24. 1.4
25. 4, 4


## WEEK 35 pages 104–106

### Monday


1.  $a = 60$   
 $b = 45$   
 $c = 45$
2.  $\frac{11}{4}$
3. 36
4. 4,000,000
5. 11
6.  $l \times w$
7.  $\frac{1}{5}$
8. 42
9. 130
10. 150
11.  $\frac{6}{10}$  (or  $\frac{3}{5}$ )
12. 80,980
13. trapezium
14. True
15. 06
16. 0.4
17. 24
18. 3
19.  $A = 0,3$   
 $B = 2,5$   
 $C = 5,0$
20. isosceles

### Tuesday

1. True
2. 900,000
3.  $\frac{67}{8}$
4.  $\frac{5}{6}$
5. 39
6. 8,030
7. 90.00
8. 16

9. 72.00
10. 8
11. 09
12. 
13. 0.09
14. 007
15. 270
16. Feb
17. Jan
18. June
19. 15
20. Jan

### Wednesday

1.  $4\frac{1}{2}$
2. False
3. 9
4.  $2 \times r$
5. 44
6.  $\frac{1}{10}$
7. 1
8. 80
9. 11 p.m.
10. 70
11. 8.97
12. 
13. 2,000,000
14. 30
15. 4,040
16. 9.0
17. tail, head
18. 40
19. 3.5
20. 5

### Thursday

1. 500,000
2. 101
3. 1,000 ml jug
4. False
5. 151
6. 4
7. 099
8.  $\frac{2}{5}$
9. 801
10. 7
11. 90
12. 21
13. 2.7
14. Teacher check
15.  $1\frac{3}{5}$
16. 5
17. 7,050
18. 4
19. 6.4
20. 10

## Problem-solving

### Monday

1. A
2.  $A = 25$   
 $B = 40$   
 $C = 50$

### Tuesday

1. 50
2.  $12\frac{1}{2}$


### Wednesday

1. 90
2.  $\frac{1}{10}$

### Thursday

1. 16
2. 5

## Friday Review

1.  $\frac{5}{6}$
2.  $\frac{2}{5}$
3. 2,360
4. 13
5. 40
6. 10
7. HH, TT  
HT, TH
8. False
9. 8
10. 12.30 a.m.
11. 49
12. 50%
13. 49
14. 40
15. 90,450
16. 712
17. Teacher check
18. 349
19. 
20. 81
21. 5.2
22. 4
23. 31.50
24. 12
25. 1.6

## WEEK 36 pages 107–109

### Monday

1. 24
2. 1.5
3. 5
4. 155
5. 2,780
6. 904
7.  $\frac{2}{5}$
8. Teacher check
9. 40
10. 2%, 0.05, 0.3
11. 0.4
12. Teacher check
13. 29



# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

14. 1.80
15. 6
16. cm
17. Teacher check
18. 4
19. 180
20. 3:4

## Tuesday

1. 7.01
2. 5
3. 5
4. 9
5. 1.85
6.  $l \times w$
7.  $\frac{3}{10}$
8. 5
9. 1:5
10. 035
11. 0.8
12. kg
13. Teacher check
14. 0.3, 20%, 0.11
15. 4,000,000
16. 30
17. 702,045
18. 0.2, 0.25, 0.75, 0.8
19.  $\frac{2}{3}$
20. 180

## Wednesday

1. 9
2.  $12\frac{1}{3}$
3. 7
4.  $\frac{2}{10}$  (or  $\frac{1}{5}$ )
5. 23
6. 9
7. 45
8. 30
9. 6
10. 3
11. 3.91
12. Teacher check
13. 0
14. 3,600
15. 340
16. t
17. tens
18. yes
19. 8
20.  $\frac{3}{10}$

## Thursday

1.  $5\frac{1}{5}$
2. 2.80, 17
3. Teacher check
4. Teacher check
5. 7
6.  $2 \times r$
7. 609

8.  $\frac{1}{5}$
9. 002
10. 28
11. 10
12. 7.699
13.  $\frac{9}{10}$
14.  $3\frac{4}{5}$
15. -5
16. 3
17. 8
18. 25
19.  $\frac{3}{8}$
20. 4

## Problem-solving

### Monday

1. 100
2. 300

### Tuesday

1. 0.25
2. 0.5

### Wednesday

1. 27
2. 24, 8

### Thursday

1. 72, 72, 36
2. Teacher check

## Friday Review

1. +1 hour
2.  $\frac{7}{8}$
3. 7
4.  $\frac{1}{20}$
5. 37
6. 50
7. 2.07
8. 24
9. 2
10.  $7\frac{1}{2}$
11. 3
12. 9
13. 60
14. 5
15. 12
16. 230
17.  $2 \times r$
18. 2.1, 0.32, 15%
19. 003
20. 6
21. g
22. 3
23. 1:2
24.  $\frac{3}{12}$  (or  $\frac{1}{4}$ )
25. 1,050,000


## WEEK 37 pages 110–112

### Monday

1. 30
2. ml
3. 2,050,000

4. 40
5. rhombus
6. 8
7. 58
8. 1,100,100
9. 30
10. m
11. 14,070
12.  $2 \times r$
13. 6
14.  $\frac{10}{3}$
15. 24
16. 50
17. 13
18.  $\frac{2}{10}$  (or  $\frac{1}{5}$ )
19. 5 faces  
9 edges  
6 vertices
20. square-based pyramid

## Tuesday

1. True
2. 50%
3. 14
4. 5.6
5. 50,000
6. 
7. triangle
8.  $\frac{4}{10}$  (or  $\frac{2}{5}$ )
9. 30
10. 61,006
11.  $6\frac{1}{5}$
12. 19,356
13. 5,010,000
14. 36
15. 2
16. 45
17. 3
18. 7
19. -6
20. 12

## Wednesday

1. 12.051
2. 12
3.  $6\frac{1}{10}$
4. 74,090
5. 35
6. True
7.  $l \times w$
8. 10
9.  $\frac{1}{2}$
10. 96
11. 1,600
12. 15
13.  $\frac{2}{5}$
14. +1 hour
15. 01
16.  $\frac{1}{2}$

17. 2
18.  $33\frac{1}{3}$
19. 48
20. rectangle

## Thursday

1. 4,010,000
2. 4
3.  $\frac{2}{10}$  (or  $\frac{1}{5}$ )
4. 6
5.  $\frac{1}{6}$
6. 7
7. 180
8. no
9. 125
10. 72, 80 and 88
11. 33
12. 24
13. 26
14. 325
15. 11.3
16. 32.8
17. 12, 14, 15, 16, 18 and 20
18.  $4 \times 7,000$  g
19. 2.1
20. 5

## Problem-solving

### Monday

1. A
2. 75, 40, 40

### Tuesday

1. 14th March 5 a.m.
2. 30 May 9.30 a.m.


### Wednesday

1. 5
2. 5

### Thursday

1. 50
2. 35, 35, Teacher check

## Friday Review

1. 8.14
2. ml
3. 4.8
4. 800
5. 90,603
6. 1:32
7. 13
8. cm
9. 2,200,000
10. 0
11. 320
12. 
13. 40
14. 56, 63 and 70
15.  $\frac{2}{10}$  (or  $\frac{1}{5}$ )
16. 12

17. 1,200 mm
18. g
19.  $3\frac{3}{8}$  (or  $3\frac{1}{2}$ )
20. 7,050,000
21.  $\frac{6}{9}$
22. 8
23. 10
24. 116
25. 50

## WEEK 38 pages 113–115

### Monday

1. 10
2. 48
3. 06
4. ml
5. hundred thousands
6.  $\frac{1}{10}$
7. 8
8. 4.9
9. 5
10. 3.6
11. 14.00
12. km
13. 24,300
14. 230
15. 75
16. t
17. octahedron
18. 6
19. 95
20. 20

### Tuesday

1. 712
2. 34
3. 2.86
4. 4,890
5. 60
6. 9
7.  $\frac{1}{4}$
8. 350,000
9. ten thousands
10. 3
11.  $l \times w$
12. True
13. 8
14. 1
15. 80
16.  $\frac{1}{8}$
17. 11
18. 8
19. 9
20. 7

### Wednesday

1. 1,000
2. l
3. 5
4. 6.83

# NEW WAVE MENTAL MATHS (6th Class Book) – Answers

<p>5. million</p> <p>6. 60</p> <p>7. <math>\frac{3}{10}</math></p> <p>8. 3</p> <p>9. B</p> <p>10. A</p> <p>11. cm</p> <p>12. 2,020</p> <p>13. 60</p> <p>14. 105</p> <p>15. Teacher check</p> <p>16. 9</p> <p>17. 6</p> <p>18. 12.4</p> <p>19. 26</p> <p>20. 4,300</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. <math>\frac{4}{10}</math> (or <math>\frac{2}{5}</math>)</p> <p>2. 10,000</p> <p>3. 63</p> <p>4. 44</p> <p>5. False</p> <p>6. 13</p> <p>7. 02</p> <p>8. ten thousands</p> <p>9. 145</p> <p>10. 7</p> <p>11. <math>2 \times r</math></p> <p>12. g</p> <p>13. 540</p> <p>14. 10</p> <p>15. square</p> <p>16. 8</p> <p>17. 8</p> <p>18. 6</p> <p>19. 40</p> <p>20. 8</p> <p style="text-align: center;"><b>Problem-solving</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 35, 15</p> <p>2. (a) 250 (b) 450</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. B</p> <p>2. <math>66\frac{2}{3}</math>, <math>62\frac{1}{2}</math>, 50</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 800</p> <p>2. 500,000</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. 5, 10, 20, 40</p> <p>2. 1, 100, 1,000, 10,000</p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. 9</p> <p>2. 8</p> <p>3. 414</p> <p>4. 23</p> <p>5. 9</p> <p>6. 4.73</p>	<p>7. 400,000</p> <p>8. 3,200</p> <p>9. 18</p> <p>10. <math>\frac{33}{6}</math></p> <p>11. ml</p> <p>12. 120</p> <p>13. 7</p> <p>14. 30</p> <p>15. 20</p> <p>16. 200</p> <p>17. <math>\frac{1}{4}</math></p> <p>18. square-based pyramid</p> <p>19. <math>l \times w</math></p> <p>20. 610,000</p> <p>21. 850</p> <p>22. 3</p> <p>23. 90</p> <p>24. 10,000</p> <p>25. triangle</p> <p style="text-align: center;"><b>WEEK 39 pages 116–118</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 5</p> <p>2. False</p> <p>3. 45</p> <p>4. 12.57</p> <p>5. 720</p> <p>6. <math>\frac{3}{4}</math></p> <p>7. 75</p> <p>8. 407</p> <p>9. 25</p> <p>10. 42.5</p> <p>11. <math>2\frac{3}{7}</math></p> <p>12. 04</p> <p>13. ml</p> <p>14. 21</p> <p>15. 8.15 a.m.</p> <p>16. 54</p> <p>17. m</p> <p>18. 75</p> <p>19. 200</p> <p>20. 25.438</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. True</p> <p>2. 36</p> <p>3. 70</p> <p>4. 80</p> <p>5. 29</p> <p>6. 4</p> <p>7. 0.12</p> <p>8. <math>\frac{3}{6}</math></p> <p>9. 14</p> <p>10. 60</p> <p>11. equilateral</p> <p>12. 245</p> <p>13. –8</p> <p>14. 0.27</p>	<p>15. 95</p> <p>16. 50</p> <p>17. <math>\frac{300}{1}</math>, 337, 996</p> <p>18. 64</p> <p>19. 34</p> <p>20. 33</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. <math>\frac{10}{10} = 1</math></p> <p>2. 3</p> <p>3. 75% of 24</p> <p>4. 165</p> <p>5. 0.75</p> <p>6. False</p> <p>7. 150</p> <p>8. 45</p> <p>9. 20</p> <p>10. 5.91</p> <p>11. 5</p> <p>12. –4</p> <p>13. 0.84</p> <p>14. 5</p> <p>15. +</p> <p>16. C</p> <p>17. km</p> <p>18. False</p> <p>19. 96</p> <p>20. 50, 5</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. <math>\frac{1}{4}</math></p> <p>2. 120</p> <p>3. 632, 624</p> <p>4. 10</p> <p>5. 72</p> <p>6. 1.80</p> <p>7. g</p> <p>8. 144</p> <p>9. 0.56</p> <p>10. 1</p> <p>11. 0.75</p> <p>12. 15</p> <p>13. 0.155</p> <p>14. 75</p> <p>15. True</p> <p>16. add 3.3</p> <p>17. <math>11, \frac{8}{2}, 1\frac{1}{2}</math></p> <p>18. 1 kg coffee for €4.50</p> <p>19. 999 999</p> <p>20. 2</p> <p style="text-align: center;"><b>Problem-solving</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 2,250</p> <p>2. 48</p> <p style="text-align: center;"><b>Tuesday</b></p> <p>1. 0.36</p> <p>2. 0.32</p>	<p style="text-align: center;"><b>Wednesday</b></p> <p>1. 12 and 8</p> <p>2. 6 and 9</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. <math>\frac{1}{4}</math></p> <p>2. <math>\frac{1}{4}</math></p> <p style="text-align: center;"><b>Friday Review</b></p> <p>1. 7</p> <p>2. 49</p> <p>3. 10</p> <p>4. 16.509</p> <p>5. prism</p> <p>6. ml</p> <p>7. 20</p> <p>8. 5,250</p> <p>9. 118</p> <p>10. 25</p> <p>11. 90</p> <p>12. <math>\frac{2}{3}</math></p> <p>13. True</p> <p>14. 80</p> <p>15. 720</p> <p>16. 0.15</p> <p>17. 40</p> <p>18. <math>\frac{5}{9}</math></p> <p>19. 28</p> <p>20. 25% of 100</p> <p>21. B</p> <p>22. 8</p> <p>23. <math>3\frac{3}{4}</math></p> <p>24. 10</p> <p>25. 45</p> <p style="text-align: center;"><b>WEEK 40 pages 119–121</b></p> <p style="text-align: center;"><b>Monday</b></p> <p>1. 8</p> <p>2. 12</p> <p>3. <math>\frac{2}{10}</math> (or <math>\frac{1}{5}</math>)</p> <p>4. 3</p> <p>5. 5.4</p> <p>6. 12,000</p> <p>7. 6.30 a.m.</p> <p>8. <math>\times, +</math></p> <p>9. 75</p> <p>10. 3</p> <p>11. heptagon</p> <p>12. 0.24</p> <p>13. 4</p> <p>14. 5</p> <p>15. 20</p> <p>16. 36</p> <p>17. Teacher check</p> <p>18. 31</p> <p>19. yes</p> <p>20. 750</p>	<p style="text-align: center;"><b>Tuesday</b></p> <p>1. 48</p> <p>2. 6,500,000</p> <p>3. 9</p> <p>4. 150</p> <p>5. 20</p> <p>6. 3</p> <p>7. 125</p> <p>8. 40</p> <p>9. 2,000</p> <p>10. 8,780</p> <p>11. 3</p> <p>12. 18.077</p> <p>13. 1.45</p> <p>14. </p> <p>15. 1</p> <p>16. 4</p> <p>17. thousands</p> <p>18. 2</p> <p>19. 10</p> <p>20. 6</p> <p style="text-align: center;"><b>Wednesday</b></p> <p>1. 3,025,000</p> <p>2. 28</p> <p>3. 25</p> <p>4. 80</p> <p>5. 16</p> <p>6. Teacher check</p> <p>7. 90</p> <p>8. 5,000</p> <p>9. 10</p> <p>10. 50% of 50</p> <p>11. 5 hours 45 minutes</p> <p>12. 0.51</p> <p>13. 8.7</p> <p>14. 28</p> <p>15. True</p> <p>16. 2,590</p> <p>17. 4.2</p> <p>18. 22</p> <p>19. <math>\frac{5}{6}</math></p> <p>20. 60</p> <p style="text-align: center;"><b>Thursday</b></p> <p>1. </p> <p>2. 12</p> <p>3. 11</p> <p>4. 8</p> <p>5. <math>\frac{1}{10}</math></p> <p>6. 055</p> <p>7. 32</p> <p>8. 9</p> <p>9. +5 hours</p> <p>10. 5</p> <p>11. octagon</p> <p>12. 6</p> <p>13. 16</p> <p>14. 16</p>
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## NEW WAVE MENTAL MATHS (6th Class Book) – Answers

- 128
- True
- 3,920
- $\frac{3}{4}$
- 875
- 120

### Problem-solving

#### Monday

- Teacher check  
600 ml each colour
- 120

#### Tuesday

- F
- E


#### Wednesday

- 64
- 30

#### Thursday

- $\frac{7}{25}$
- 225

### Friday Review

- 8.30 a.m.
- 120
- $\frac{3}{10}$
- 24,000
- 180
- 3.6
- 
- 4.5
- False
- m
- 0.32
- 9
- 4
- 92
- 24
- 36
- 16
- 180,000
- 150
- 4
- 121
- 6
- 3,900,000
- 25
- C