

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

4. 70% of 90
5. 5
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. $4\frac{19}{20}$ (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. 10
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

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

13. octahedron
14. +3
15. 5
16. $\frac{1}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$
17. 10
18. 360
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. $9\frac{8}{10}$ (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. $\frac{2}{8}, \frac{1}{2}, \frac{2}{3}, \frac{7}{9}$
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

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

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

Tuesday

1. 9:12
2. 4

Wednesday

1. 5:3
2. 45

Thursday

1. 60
2. 10

Friday Review

1. 3
2. 3
3. 5.10
4. False
5. 295
6. $\frac{4}{15}$
7. 10
8. 420,000
9. $\frac{2}{3}$
10. 225
11. cube
12. 140
13. True
14. 24
15.

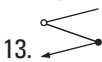
4	9	2
3	5	7
8	1	6
16. 8 faces
12 edges
6 vertices
17. reflex
18. 3
- 19.
20. 16
21. 4,4
22. 1.2
23. 29,700,000
24. 360
25. $\frac{3}{8}$

WEEK 32 pages 95–97

Monday

1. 6,300,000
2. 5
3. 10

4. ×
5. 10,512,015
6. 0.80
7. hundred thousands
8. 1.20
9. 90
10. 15, 21, 27
11. 100
12. $3\frac{3}{5}$



- 13.
14. 15.607
15. $l \times w$
16. 1
17. kitchen scales
18. 160,000
19. True
20. 5

Tuesday

1. $\frac{3}{4}$
2. 3,650,000
3. 60
4. 7.75
5. right
6. 6,050
7. –4
8. 045
9. trundle wheel
10. 72
11. 5
12. $8\frac{1}{6}$
13. 21.369
14. 9
15. 22
16. 1
17. no
18. 9
19. True
20. regular octagon

Wednesday

1. 2.00
2. 8,200,000
3. $\frac{5}{6}$
4. 7,092
5. 15
6. $\frac{49}{5}$
7. 40
8. 4
9. 55
10. 105°
11. $\frac{43}{8}$
12. 8
13. 6
14. 375
15. 70
16. ×
17. 62
18. 1%, 0.1, $\frac{5}{10}$, 0.99

19. 0.3
20. 0.3

Thursday

1. 70
2. –17
3. 103
4. 008
5. 44
6. 625
7. 5,000,005
8. 4.25
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

Problem-solving

Monday

1. 65
2. 35

Tuesday

1. 50
2. 50

Wednesday

1. (a) 6 = blue
(b) 8 = green
2. (a) 2 = red
(b) 4 = yellow

Thursday

1. €2, 50c
2. €1, €1, €2

Friday Review

1. millions
2. $\frac{5}{6}$
3. 91
4. 55
- 5.
6. 7
7. 96,000
8. 8
9. 4
10. 7
11. 18
12. 6
13. $l \times w$
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

WEEK 33 pages 98–100

Monday

1. 1,300,000
2. 3
3. 4
4. yes
5. kitchen
6. 004
7. $\frac{1}{8}$
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. $10 \times \frac{10}{1}$
20. 7,920,000

Tuesday

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. $\frac{1}{4}$
11. Teacher check
12. Teacher check
13. 48
14. 54
15. 1,000
16. $5\frac{1}{2}$
17. 30
18. 107
19. $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{7}{8}$
20. 1,750

Wednesday

1. 2,750,000
2. 21.588
3. 5

4. $2\frac{3}{4}, 3\frac{1}{4}$
5. 1.5 cm (or 15 mm)
6. –5 hours
7. no
8. kitchen scales
9. $\frac{1}{81}$
10. 21
11. 11, 13, 17 and 19
12. 120
13. 41
14. 8,005
15. True
16. 9
17. 12
18. 0.1
19. 8
20. 6

Thursday

1. 36
2. 0.6
3. 18
4. 3,050,000
5. 055
6. $\frac{3}{8}$
7. 5
8. 255,000
9. $\frac{5}{6}$
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

Problem-solving

Monday

1. $\times 6, \times 4, \times 8, \times 8$
2. 70

Tuesday

1. (a) 2.50
(b) 2×1 and 50×1
2. 4,000

Wednesday

1. 500
2. 12,500

Thursday

1. 3
2. 5