

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

$d = 72^\circ$

2. W and Y

Friday Review


- 4
- 0.18
- 35
- scalene
- 75
- 48
- $10\frac{1}{4}$
- 0.999
- +, +
- 0.002
- False
- $\frac{1}{3}$
- 15.41
- 4 faces
6 edges
4 vertices
- subtract 3.2
- 10
- 0.79
- 500
- $\frac{5}{6}$
- 360
- 2:1
- 54
- Teacher check
- 500 g of peas for €1.00
- 0.25

WEEK 21 pages 62–64

Monday

- 5
- 0.48
- 05
- 36
- +, ×
- 300 g of fruit for €1.44
- 2
- $1\frac{1}{3}$
- kite
- $(7 \div 1) - (5 + 2)$
- 40
- 6.7
- Teacher check
- $\frac{5}{6}$
- 2
- 1,000,010
- 12.57
- 0.005
- subtract 3.1
- 450

Tuesday

- 8
- $2 \times 2 \times 2 \times 2 \times 2 = 32$
- 5
- 0.28
- $\frac{3}{7}$
- $\frac{3}{4}$
- ÷, –
- Teacher check
- 625
- 15
- 5.585
- yes
- 
- 8
- 36
- 360
- 4
- 30
- 5
- 2,250,000

Wednesday

- 0.03, 12, 0.3, 0.36, $\frac{3}{5}$
- 16
- 4
- 180
- 60
- 6
- 0.27
- 60
- 2
- 6
- 1,400
- Teacher check
- ×, –
- 10.22
- 100
- 16
- 0.05
- $(70 \div 10) \times (5 \times 1)$
- 0.2
- 10.94

Thursday

- 75%, $\frac{2}{3}$, 0.09, 0
- rhombus
- $10\frac{1}{2}$
- 8.45
- 45
- 1
- $\frac{8}{5} = 1\frac{3}{5}$
- 9
- 420
- 19
- 0.35
- 1,000,000

- 3
- 22
- 200
- 200 g sweets for €1.60
- 9.696
- 6
- 2
- 12

Problem-solving

Monday

- 6 m by 2 m
- 24

Tuesday

- 5
- 300

Wednesday

- 6500
- 350

Thursday

- 130
- 325

Friday Review

- 0, 0.07, 21%, $\frac{4}{5}$, 0.92
- 12
- 2,200
- 0.27
- 0.2
- Teacher check, 625
- 2.5
- 25
- 3
- ×, +
- 45
- 4
- 15.94
- 0.905
- 10
- 2,800
- Teacher check
- $\frac{10}{5} = 2$
- 4
- 500 g sugar for €2.50
- Double
- 210
- 4
- 7.919
- 48

WEEK 22 pages 65–67

Monday

- 351
- 11
- 30 in 40 (3 in 4)
- 0.16
- 4
- $3 \times 3 \times 3 = 27$

- 1
- $\frac{2}{3}$
- 70
- +, ×
- 0.998
- $\frac{16}{10} = 1\frac{6}{10} = 1\frac{3}{5}$
- 4 faces
6 edges
4 vertices
- 50
- 9 a.m.
- 459
- 5
- 23 or 29
- 16
- 36,000

Tuesday

- 11
- 0.45, 0.3, 0.2, 0.015
- 10,001,001
- $\frac{3}{4}$
- 64
- 180
- $\frac{5}{10}$
- 0.42
- Teacher check
- , ÷
- 10
- 2.005
- 25
- parallelogram
- 3
- 9
- 20.06
- 19,000
- 6
- 50%

Wednesday

- 10,010,010
- 5
- $\frac{1}{6}$
- +2 hours
- $\frac{2}{100}, \frac{1}{10}, \frac{1}{2}, \frac{3}{4}$
- 2
- 5.8
- pentagonal prism
- 40
- 0.45
- 5 °C
- 5
- 7.579
- 850
- 360
- 8
- 3%, 0.09, 0.14, $\frac{1}{4}$
- 180
- 900,000
- 3

Thursday

- 12
- $(80 \div 10) \times (1 + 7) - 60 = 4$
- trapezium
- 0.2
- 9
- 0.3
- $\frac{20}{20} = 1\frac{2}{20} = 1\frac{1}{10}$
- , ÷
- €50 jacket with a 20% discount
- 105,000
- 0.5
- 42
- 80
- 6
- 0.045
- 8.735
- 38,000
- 81
- 6
- 9

Problem-solving

Monday

- 450 mins or $7\frac{1}{2}$ hrs
- 28

Tuesday

- 7
- 3.5

Wednesday

- Teacher check
- 20

Thursday

- 18
- 900

Friday Review

- 0.15
- $(60 \div 10) \times (1 + 9) - 6 = 54$
- 2
- 45
- hexagon
- 11
- 2
- 3,000
- 8
- $\frac{15}{20} = \frac{3}{4}$
- 711
- 3 p.m.
- 35
- 6
- 1.2
- 20.53
- $\frac{4}{5}$
- $\frac{4}{10}$ or $\frac{2}{5}$
- 20

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. 10,111,011
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
5. 0.6
6. $\frac{2}{5}$


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

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

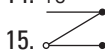
Friday Review

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. 600

17. 20

18. 15

19. Teacher check

20. right-angled triangle

Tuesday

1. -3
2. 30
3. 10,001,001