

TEACHERS MANUAL

New Wave

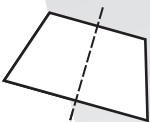
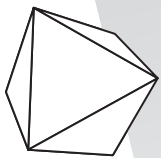


Mental Maths

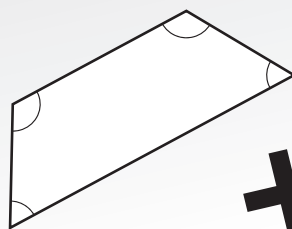
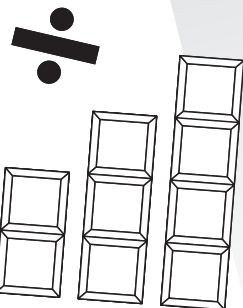
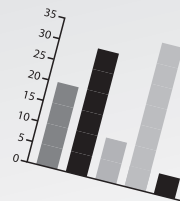
TEACHERS MANUAL

REVISED EDITION

5th Class



$$+5 + 7 = \square$$



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New Wave Mental Maths Workbook – Senior Infants Class
New Wave Mental Maths Workbook – 1st Class
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
New Wave Mental Maths Workbook – 6th Class

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NEW WAVE MENTAL MATHS (5th Class book) – Answers

WEEK 1 pages 2–4

Monday

1. 2 a.m.
2. 800
3. 2
4. 2,100
5. 4 apples for 45c
6. 1,500
7. prime 5
composite 4, 6
8. True
9. regular ✓
pentagon ✓
10. ruler
11. horizontal B, E
vertical A, V
12. 10,000
13. 5
14. $\frac{1}{2}$
15. 4
16. 10,001
17. vertical
18. 8.75
19. 16
20. right

Tuesday

1. 8 a.m.
2. 3
3. 9
4. acute
5. 1,375
6. 3,500
7. 9 sweets for 60c
8. prime 11
composite 9, 10
9. triangular prism
10. 12,010
11. 3×3
12. $\frac{3}{4}$
13. trundle wheel
14. 250
15. parallelogram
16. True
17. 2,800
18. 15,050
19. 40
20. 405

Wednesday

1. 3 p.m.
2. 4 bananas for 20c
3. 3
4. 1,425
5.
6. 4,500
7. 9.80
8. reflex
9. 13

10. metre stick
11. 21,001
12. Teacher check
13. $5 \times 5 = 25$
14. 2,400
15. $\frac{4}{6}$
16. 3,401
17. 625
18. False
19. 96
20. 16

Thursday

1. 6 p.m.
2. 20,020
3.
4. 3
5. 1,355
6. $4 \times 4 = 16$
7. 17
8. 160
9. 140
10. regular ✓
octagon ✓
11. trundle wheel
12. 2,700
13. 12 drinks for 95c
14. 5
15. 16.95
16. $\frac{3}{6}$
17. 54,009
18. False
19. obtuse
20. 890

Problem solving

Monday

1. 4
2. 5

Tuesday

1. 6
2. 18

Wednesday

1. 3
2. 1

Thursday

1. 3
2. 2

Friday review

1. 7 a.m.
2. 1,600
3. 2,100
4. 8 sweets for 40c
5. 1,400
6.
7. 150
8. cm
9. $\frac{3}{4}$
10. 5

11. 9.70
12. regular ✓
hexagon ✓
13. 16
14. reflex
15. Y
16. 15,010
17. triangular prism
18. 3
19. parallelogram
20. 12,250
21. 14
22. 340
23. prime 7, 13
composite 8, 9, 14, 15
24. acute
25. True

WEEK 2 pages 5–7

Monday

1. 4 a.m.
2. 12,041
3. 1,180
4. irregular ✓
pentagon ✓
5. 3,600
6. 4 pens for 45c
7. 11,101
8. 10
9.
10. 8 r 1
11. 10, 100
12. False
13. 7
14. 2, 3
15. 360
16. 9.90
17. trapezium
18. $\frac{1}{2}$
19. 415
20. 1,200

Tuesday

1. 2 p.m.
2. 9.60
3. 3,200
4. 1,657
5. 60,700
6. 73,111
7. 5 balls for 30c
8.
9. 4×4
10. 5, 7
11. 10 r 3
12. 3,000
13. 9
14. ruler
15. 180

16. True
17. 10
18. reflex
19. 250
20. 1,800

Wednesday

1. 10 a.m.
2. 9
3. 1,465
4. metre stick
5. 92,100
6. irregular ✓
hexagon ✓
7. 5, 25
8. 3 pears for 25c
9. 7
10.
11. right
12. 17 r 3
13. 4
14. 54,045
15. $\frac{3}{8}$
16. 2,400
17. False
18. scalene triangle
19. 17.00
20. 350

Thursday

1. 5 p.m.
2. rhombus
3. 1,385
4. 17.45
5. $\frac{4}{5}$
6. 3 toys for €2
7. 11
8. 97,009
9. $6 \times 6 = 36$
10.
11. 75
12. obtuse
13. 7
14. equilateral triangle
15. trundle wheel
16. 84,520
17. 1,800
18. 15 r 4
19. False
20. 345

Problem solving

Monday

1. 150
2. 725

Tuesday

1. 165
2. 100

Wednesday

1. 108
2. 45

Thursday

1. octagon, pentagon, rectangle/square or 4-sided quadrilateral
2. 9

Friday review

1. 3 p.m.
2. 48,305
3. 1,070
4. 4
5. 4,500
6. 2 pens for 25c
7. 8
8. 9
9. 3, 5
10. 450
11. False
12. obtuse
13. 6
14. equilateral triangle
15. 7 r 2
16. 9
17. 240
18. 27,101
19. 8.70
20. trapezium
21.
22. 250
23. rhombus
24. $\frac{1}{4}$
25. 5,800

WEEK 3 pages 8–10

Monday

1. 9 a.m.
2. 1,510
3.
4. $\frac{2}{6}$
5. 10
6. C
7. 37,109
8. 1.0
9. rectangular pyramid
10. prime 2, 3, 5, 7
composite 4, 6, 8, 9
11. 450
12. 11 r 3
13. $1 \times 1 = 1$
14. 3
15. True
16. 10 books for €45
17. 28.30
18. Teacher check
11
19. 75
20. $\frac{1}{2}$

NEW WAVE MENTAL MATHS (5th Class book) – Answers

<p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 7 p.m. 2. 1,375 3. 29.30 4. $\frac{5}{8}$ 5. 9 6. 14 r 1 7. $10 \times 10 = 100$ 8. 49,000 9. 28 10. $\frac{1}{4}$ 11. 79,119 12. 560 13. 1.0 14. rhombus 15. 90 16. $\frac{1}{4}$ 17. 4 pies for €30 18. True 19. $\frac{4}{5}$ 20. 25 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. 10 p.m. 2. 2,100 3. 3,333 4. Teacher check 5. $\frac{1}{4}$ 6. 6 r 2 7. 11, 13 8. $2 \times 2 = 4$ 9. 5 toys for €35 10. 9 11. 20 12. 94,019 13. 0.9 14. acute 15. 360 16. 10 17. 39.05 18. pentagonal pyramid 19. $\frac{4}{10}$ 20. 1 a.m. <p style="text-align: center;">Thursday</p> <ol style="list-style-type: none"> 1. 7 a.m. 2. $\frac{20}{100}$ 3. 3 p.m. 4. 1,800 5. 5 6. 12 r 1 7. 13, 17 8. 7 sweets for 20c 9. reflex 10. Teacher check 11. 9 12. 62,001 13. 400 14. pentagonal prism 	<ol style="list-style-type: none"> 15. 1.2 16. square/rectangle/ rhombus/trapezium 17. 26.15 18. 100 19. 25 20. 5,003 <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <ol style="list-style-type: none"> 1. 8 and 5 2. 61 <p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. Week 4 2. Week 3 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. 7 2. 8.31 <p style="text-align: center;">Thursday</p> <ol style="list-style-type: none"> 1. 250 2. 3 <p style="text-align: center;">Friday review</p> <ol style="list-style-type: none"> 1. 8 p.m. 2. 9 3. 9 r 3 4. 1,510 5. 12 a.m. 6. 22 7. 3,900 8. $\frac{2}{5}$ 9. True 10. pentagonal prism 11. 350 12. 13 13. 5 books for €20 14. 10.15 15. parallelogram 16. 365 17. Teacher check 18. 430 19. 4 20. 7 and 4 21. 91,011 22. $\frac{1}{4}$ 23. 100 24. 1.0 25. 4 <p style="text-align: center;">WEEK 4 pages 11–13</p> <p style="text-align: center;">Monday</p> <ol style="list-style-type: none"> 1. 09:00 hours 2. 5,675 3. obtuse 4. 710 5. 3 6. 4 r 1 7. 99,099 8. 9 	<ol style="list-style-type: none"> 9. 36 10. cm 11. 240 12. right angles 13. 10 14. True 15. 7 16. 3.1 17. $\frac{1}{4}$ 18. 14 19. 2.20 20. 8 sweets for 30c <p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 04:00 hours 2. 4,500 3. 1 4. 12 5. 3,955 6. 5 r 5 7. 80 8. $\frac{5}{2}$ 9. 14 10. 11 11. False 12. 630 13. 18 14. Teacher check 15. 405 16. m 17. 6.80 18. 31.70 19. 8 20. 8, 12, 16, 20 28, 32, 36, 40 44, 48, 56, 60 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. 14:00 hours 2. 3,964 3. 11 4. 15 5. 6, 9, 12, 15 18, 21, 24, 27, 30 33, 36, 39, 42 6. 7 r 4 7. 1.0 8. 25 9. 1,790 10. triangular pyramid 11. right angles 12. km 13. 700 14. 13 15. 37.15 16. no 17. $\frac{3}{4}$ 18. 3 stickers for 15c 19. 415 20. False 	<p style="text-align: center;">Thursday</p> <ol style="list-style-type: none"> 1. 22:00 hours 2. 5,905 3. triangular prism 4. $\frac{3}{2}$ 5. 12 6. $\frac{8}{10}$ 7. 16 8. 6 r 6 9. acute angles 10. 23 11. reflex 12. 99,909 13. True 14. 4,200 15. 6 16. 1.0 17. 250 18. 7 19. 298 20. False <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <ol style="list-style-type: none"> 1. 1 2. 3 <p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 1,000 2. 27 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. 30 2. $30^\circ \div 5$ <p style="text-align: center;">Thursday</p> <ol style="list-style-type: none"> 1. 0.9 2. 1.9 <p style="text-align: center;">Friday review</p> <ol style="list-style-type: none"> 1. 19:00 hours 2. 8 r 5 3. 6,985 4. right 5. triangular pyramid 6. 320 7. km 8. True 9. 500 10. 6.50 11. right angles 12. 14 13. $\frac{9}{4}$ 14. 250 15. 820 16. 1.0 17. 215 18. 81,515 19. 6 cakes for 35c 20. $\frac{1}{4}$ 21. $\frac{60}{100}$ ✓ $\frac{6}{10}$ ✓ 	<ol style="list-style-type: none"> 22. $\frac{3}{5}$ ✓ $\frac{6}{20}$ ✗ 23. 18 24. H 25. 36.80 <p style="text-align: center;">WEEK 5 pages 14–16</p> <p style="text-align: center;">Monday</p> <ol style="list-style-type: none"> 1. 06:00 hours 2. 8,417 3. triangular 4. $20,000 + 20$ 5. 7 6. $1\frac{3}{4}$ 7. 3 r 6 8. 75 9. $7 \times 7 = 49$ 10. 75 11. 97,011 12. True 13. horizontal 14. 17 15. 2,400 16. bathroom scales 17. obtuse angles 18. 9 19. 5.90 20. 300 <p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 19:00 hours 2. 5,733 3. 2,100 4. 8 5. 25 6. 5 r 2 7. $2\frac{1}{4}$ 8. kitchen scales 9. rhombus 10. 6 11. 11 12. 25 13. m 14. yes 15. 780 16. 5 17. 83,005 18. 2.50 19. 4.00 a.m. 20. 5, 15, 20, 25 30, 35, 40, 45, 50 60, 65, 70, 75 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. B 2. 1,540 3. 5,955 4. 10
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NEW WAVE MENTAL MATHS (5th Class book) – Answers

<p>5. bathroom scales 6. no 7. 6 r 2 8. parallelogram 9. True 10. 900 11. 0 12. 5 13. $\frac{5}{3}$ 14. 5,600 15. 63,055 16. octagon 17. $\frac{1}{4}$ 18. False 19. 11 20. 12.30 a.m.</p> <p style="text-align: center;">Thursday</p> <p>1. 20:00 hours 2. 1,380 3. rectangular pyramid 4. B 5. 5 6. 8 r 6 7. False 8. 8,659 9. 1.2 10. kitchen 11. $\frac{1}{2}$ 12. mm 13. $2\frac{1}{3}$ 14. <input type="checkbox"/> 15. 8 p.m. 16. yes 17. 70,505 18. 26 19. $\frac{3}{2}$ 20. False</p> <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. A 2. 20</p> <p style="text-align: center;">Tuesday</p> <p>1. 146 2. 28</p> <p style="text-align: center;">Wednesday</p> <p>1. 12 2. 9</p> <p style="text-align: center;">Thursday</p> <p>1. 3 2. $\frac{1}{2}$ hour</p> <p style="text-align: center;">Friday review</p> <p>1. 16:00 hours 2. 9 3. 7,516 4. 5 5. 20</p>	<p>6. triangular 7. 970 8. Teacher check 9. no 10. B 11. 49 12. 3 13. 1,600 14. False 15. Teacher check 16. <input type="checkbox"/> 17. 15 18. 69,090 19. 2 20. kitchen scales 21. right angles 22. 1.50 23. cm 24. 11 25. $\frac{1}{4}$</p> <p style="text-align: center;">WEEK 6 pages 17–19</p> <p style="text-align: center;">Monday</p> <p>1. 4 2. 10,715 3. Teacher check 4. $\frac{10}{3}$ 5. 160 6. 5,470 7. $\frac{7}{2}$ 8. kg 9. 14 10. 23 11. $1\frac{2}{3}$ 12. True 13. 6,500 14. 100 15. $\frac{1}{4}$ 16. 19,50 17. <input type="checkbox"/> 18. 14 r 2 19. 12, 18, 24, 30 36, 42, 54, 60 66, 72, 78, 84 20. 1 kg</p> <p style="text-align: center;">Tuesday</p> <p>1. 1 2. 43,023 3. 9 4. 11 5. 4,200 6. True 7. Teacher check 8. $2\frac{2}{3}$ 9. True 10. 621 11. $\frac{3}{4}$</p>	<p>12. B 13. g 14. 25 15. <input type="checkbox"/> 16. 18.50 17. 100 18. 12.10 a.m. 19. no 20. 2.05 m</p> <p style="text-align: center;">Wednesday</p> <p>1. 11 2. C 3. 3 km 4. True 5. pentagonal 6. 6 7. 7,808 8. 150 g 9. 22,222 10. 75 11. 30 12. 33 r 1 13. obtuse angles 14. 4 r 1 15. True 16. <input type="checkbox"/> 17. 16.50 18. Teacher check 19. $1\frac{1}{3}$ 20. $\frac{31}{5}$</p> <p style="text-align: center;">Thursday</p> <p>1. 8 2. $\frac{3}{6}$ 3. pentagonal prism 4. True 5. 3,300 6. 7 7. obtuse 8. 800 9. $\frac{31}{10}$ 10. 19 11. 1 in 6 12. 44 13. 800 14. 16 r 4 15. 24 16. 2,855 17. $3\frac{1}{3}$ 18. Teacher check 19. 30 cm 20. 11</p> <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. orange 2. False</p>	<p style="text-align: center;">Tuesday</p> <p>1. 20 2. 14</p> <p style="text-align: center;">Wednesday</p> <p>1. 7 circles, 1 triangle 2. 2 squares, 6 circles, 6 triangles</p> <p style="text-align: center;">Thursday</p> <p>1. 480 2. 720</p> <p style="text-align: center;">Friday review</p> <p>1. 7 2. 9,035 3. 48 4. 1 square, 6 triangles 5. $2\frac{3}{4}$ 6. $\frac{14}{3}$ 7. 4,200 8. 100 9. 43 10. 22.50 11. 42,040 12. False 13. 4 km 14. True 15. 4 16. 10 17. yes 18. 257 19. Teacher check 20. 9,500 21. Teacher check 22. 6,900 23. 8 r 3 24. 100 g 25. pentagon</p> <p style="text-align: center;">WEEK 7 pages 20–22</p> <p style="text-align: center;">Monday</p> <p>1. 6 2. $\frac{16}{3}$ 3. 2,003 4. 20 5. 2 6. 9 7. 1.0 8. 11.6 9. square/rectangle/ rhombus 10. 20 11. False 12. 1,200 13. kitchen 14. right and acute 15. 200, 2,000, 20,000 16. 10 17. 1 in 6</p>	<p>18. 3 in 6 19. 2 in 6 20. 1 in 6</p> <p style="text-align: center;">Tuesday</p> <p>1. 9.30 2. 2,960 3. 24 4. $\frac{18}{5}$ 5. 9.9 6. 10 7. 8 r 4 8. A 9. 8 10. heptagon 11. 320 12. 45,010, 45,100, 54,010 13. 750 14. obtuse 15. <input type="checkbox"/> 16. 11.8 17. 3 °C 18. kg 19. odd and prime 3, 7 odd and composite 9 even and composite 12 20. 2</p> <p style="text-align: center;">Wednesday</p> <p>1. $\frac{7}{12}$ 2. 4,002 3. 14 4. $\frac{16}{6}$ 5. 10 6. 9 r 9 7. 2,600 8. Teacher check 9. 16,005, 16,025, 16,052 10. 30 11. 10 12. 9,200 13. 4 14. 3 15. pyramid 16. 0.9 17. 11.59 p.m. 18. 16 19. 2,500 20. 5 °C</p> <p style="text-align: center;">Thursday</p> <p>1. 10.45 2. 9 3. 15.8 4. 3.5 5. $\frac{15}{4}$</p>
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NEW WAVE MENTAL MATHS (5th Class book) – Answers

6. right
7. 4
8. 13,040
9. 9
10. no
11. kg
12. False
13. 360
14. scalene triangle
15. 1,000
16. 23,005, 23,050, 23,500
17. 3,000
18. 0.8
19. Teacher check
20. -6°C

Problem solving

Monday

1. 30 minutes
2. 11.30, p.m., p.m.

Tuesday

1. apple
2. apple


Wednesday

1. 2,350
2. 55,400

Thursday

1. 21
2. 36

Friday review

1. 6.20
2. 2,003
3. 10.9
4. $\frac{32}{9}$
5. 1,600
6. Teacher check
7. 450, 45,027, 45,702
8. trapezium
9. 0.7
10. kitchen
11. 5,000
12. 1 in 6
13. 3 in 6
14. -5°C
15. 20
16. 2,000
17. 6
18. 870
19. 
20. 10
21. 100
22. 9 r 8
23. 16
24. 2, 3, 5, 7
25. Teacher check

WEEK 8 pages 23–25

Monday

1. 4.20
2. cube
3. 15.7
4. 2
5. $\frac{13}{3}$
6. 70, 70
7. 34.20
8. 20 r 2
9. 12
10. 8×8
11. 10
12. 50,007, 50,570, 50,750
13. 22
14. 1,800
15. 10,000
16. yes
17. obtuse
18. 2.5
19. 6
20. 10°C


Tuesday

1. 11.30
2. 90 cm
3. 18.9
4. $\frac{22}{5}$
5. 4
6. 9 r 1
7. 100, 10,000, 100,000
8. Teacher check
9. 9 apples for 45c
10. 5
11. 1.0
12. 20
13. yes
14. 44, 48, 52, 56, 60, 64, 68, 72, 80, 84, 88, 96
15. 490
16. $\frac{28}{5}$
17. 3,000
18. True
19. 4, 40
20. -7°C


Wednesday

1. 10.25
2. $\frac{6}{10}$
3. 18
4. 4,200
5. $\frac{17}{5}$
6. 3
7. 12
8. 30, 3
9. 15
10. 14, 21, 28, 35

- 42, 49, 56, 63
- 77, 91, 98, 105
11. 1,750, 17,050, 117,050

12. 22
13. False
14. 3.0
15. 7
16. 
17. $\frac{19}{3}$
18. yes
19. 500
20. yes

Thursday

1. $\frac{6}{12}$
2. 23.1
3. 4, 16
4. 5
5. $\frac{23}{3}$
6. yes
7. False
8. 9, 90
9. 13
10. cube
11. 4
12. 3.0
13. False
14. 
15. 4.3
16. 8,900
17. 700
18. 9
19. 15
20. -12°C

Problem solving

Monday

1. C
2. 8

Tuesday

1. 180
2. 3 triangles and pentagon
2 squares and 2 triangles

Wednesday


1. 4 and 4
2. 5

Thursday

1. 54
2. 1 hour 30 mins

Friday review

1. 5:35
2. cuboid
3. 6
4. false
5. 18
6. 8.3

7. 16.6
8. 8
9. 35, 35
10. True
11. 64
12. 500
13. $\frac{8}{3}$
14. 
15. 8
16. 90
17. 2.3
18. 38.65
19. scalene
20. 360
21. 200
22. $\frac{6}{10}$
23. 2800
24. 70,274, 70,427, 70,742
25. 11 r 1


WEEK 9 pages 26–28

Monday


1. 9.30
2. 25.8
3. 26
4. $\frac{19}{5}$
5. 22
6. False
7. 2
8. 100
9. parallelogram
10. 18
11. 28
12. 2,400
13. 5,702, 5,072, 5,002
14. acute
15. -5°C
16. 20
17. 16, 24, 32, 40, 48, 56, 64, 72, 88, 104, 112, 120
18. 10
19. 3
20. 6

Tuesday

1. 9.30
2. 300
3. 11.4
4. 5
5. $\frac{44}{10}$
6. 30,520, 30,250, 3,250
7. True
8. yes
9. 2
10. rhombus
11. 20 r 5

12. $\frac{5}{10}$
13. 3,600
14. 20 m
15. 
16. 1,250
17. 4°C
18. 11 r 6
19. 2 in 6
20. 8

Wednesday

1. 7.49
2. 12 r 1
3. 13.2
4. False
5. triangular prism
6. 4
7. 64,905, 64,059, 46,905
8. 2,700
9. 300
10. 
11. 21
12. 10,000
13. 70
14. 4
15. 1.2
16. triangular prism
17. no
18. 15
19. $\frac{25}{8}$
20. -10°C

Thursday

1. 2.25
2. 39.9
3. 14
4. True
5. 4
6. $\frac{21}{4}$
7. 4,000
8. 2,000
9. 1,000
10. 3 in 5
11. False
12. 16
13. 3,500
14. 55
15. Teacher check
16. 1 in 6
17. 3 in 6
18. 4 in 6
19. 2 in 6
20. 2 in 6

Problem solving

Monday

1. $360^{\circ} \div 12$
2. 21

NEW WAVE MENTAL MATHS (5th Class book) – Answers

<p style="text-align: center;">Tuesday</p> <p>1. 1st 2. 2nd and 3rd</p> <p style="text-align: center;">Wednesday</p> <p>1. A 285 B 295 C 310 D 335</p> <p>2. 5 faces 6 corners</p> <p style="text-align: center;">Thursday</p> <p>1. 1, 6 3 9 2. 7 8, 4</p> <p style="text-align: center;">Friday review</p> <p>1. 10.45 2. 27.9 3. 55 4. 2 5. $\frac{7}{10}$ 6. 2 in 3 7. 9 8. 2,250 9. 5 10. 2,800 11. 8,520, 8,502, 8,025 12. 4 13. 23 14. 950 15. -8°C 16. 3,000 17. 2, 3, 4, 6 18. $\frac{38}{9}$ 19. \square 20. $3\frac{3}{6}$ 21. rhombus 22. 21 23. True 24. Teacher check 25. yes</p> <p style="text-align: center;">WEEK 10 pages 29–31</p> <p style="text-align: center;">Monday</p> <p>1. 8.35 a.m. 2. 21.2 3. 75 4. 250 5. Teacher check 6. 200 7. false 8. 8 9. obtuse 10. yes 11. 50 12. 10 13. D250</p>	<p>14. square pyramid 15. 3, 6 16. 3,000 17. 10 18. 12 r 3 19. Teacher check 20. \square</p> <p style="text-align: center;">Tuesday</p> <p>1. 1:05 p.m. 2. 20 3. no 4. 10 r 5 5. 55 6. 48 7. 9 8. 13 9. 50 10. 9, 27, 36, 45 54, 63, 81, 90 11. $\frac{26}{3}$ 12. False 13. 72,500, 72,050, 7,205 14. DW 15. \square 16. True 17. 2 18. 12, $1\frac{2}{10}$ 19. 5.8 20. 8,200</p> <p style="text-align: center;">Wednesday</p> <p>1. 5:55 p.m. 2. 37.8 3. 130 4. $\frac{48}{5}$ 5. heptagon 6. 12 r 2 7. 60 8. 2 9. 3.75 10. 5 11. True 12. AI 13. 18 14. no 15. 5,600 16. pentagonal pyramid 17. right 18. 6 19. 10 20. 43,725, 43,275, 43,257</p> <p style="text-align: center;">Thursday</p> <p>1. 10.10 p.m. 2. 24 3. 20, 30, 40, 50</p>	<p>60, 70, 80, 90, 100 120, 130, 140, 150</p> <p>4. 65,702, 65,207, 65,072 5. 35 6. 32 7. Teacher check 8. 18 9. True 10. \square 11. False 12. A500 13. 3 14. False 15. yes 16. 1.3 17. 7 18. $6, 1\frac{1}{5}$ 19. H 20. € + 5</p> <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. 150 2. 25</p> <p style="text-align: center;">Tuesday</p> <p>1. 16 2. 300</p> <p style="text-align: center;">Wednesday</p> <p>1. 25 2. 22</p> <p style="text-align: center;">Thursday</p> <p>1. 6, 7 1, 9 3 2. 6 and 6</p> <p style="text-align: center;">Friday review</p> <p>1. 11:45 p.m. 2. 14.3 3. 45 4. 3 5. 21 6. 12 r 4 7. 72, 81 8. right 9. 19 10. $\frac{19}{6}$ 11. E 12. 7,800 13. $8\frac{2}{3}$ 14. pentagonal prism 15. triangular pyramid 16. AI 17. 32 18. 5 19. 17th April 00:00 20. 14 $1\frac{4}{10}$</p>	<p>21. cuboid 22. 6 23. 84,950, 84,509, 8,450 24. 4,500 25. 2, 4</p> <p style="text-align: center;">WEEK 11 pages 32–34</p> <p style="text-align: center;">Monday</p> <p>1. 03:00 2. 1, 2 and 4 3. 85 4. 8,000 5. $\frac{13}{2}$ 6. 2, 20 7. 2 8. 60 9. 18 10. 18 11. 1.0 12. $\frac{2}{3}$ 13. kite 14. 7,200 15. 3,000 16. 378 17. 12, 1.2 18. 2 in 8 19. 2 in 8 20. 7 in 8</p> <p style="text-align: center;">Tuesday</p> <p>1. 09:00 2. 01 3. yes 4. 200 5. $\frac{4}{3}$ 6. 2 7. 12 8. 90 9. -2 10. Triangular prism 11. False 12. HH TT HT TH 13. hemisphere 14. 120 15. 50 16. 1,400 17. False 18. $\frac{3}{4}$ 19. True 20. 9</p> <p style="text-align: center;">Wednesday</p> <p>1. 17:00 2. 81 3. 1, 2, 3 and 6 4. 5 5. 15 6. 16</p>	<p>7. 5 8. 45 9. 3,000 10. cylinder 11. $\frac{17}{5}$ 12. 30 13. 2 14. 2, 3, 5 or 7 15. 25 16. ten thousands 17. 2 18. $\frac{4}{5}$ 19. 4 out of 52 20. 10,001</p> <p style="text-align: center;">Thursday</p> <p>1. 20:00 2. 1 3. 30 4. 22 5. 8 6. no 7. 16 8. yes 9. acute 10. 18 11. Teacher check 12. 42 13. 4, 6, 8 or 9 14. kite 15. square pyramid 16. 45 17. 25 18. $3\frac{3}{4}$ 19. -4 20. 7</p> <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. 29 2. 5</p> <p style="text-align: center;">Tuesday</p> <p>1. 3.5 cm 3 cm 2. 2 cm 5 cm</p> <p style="text-align: center;">Wednesday</p> <p>1. 5 2. 9</p> <p style="text-align: center;">Thursday</p> <p>1. 6, 5 2. 120</p> <p style="text-align: center;">Friday review</p> <p>1. 19:00 2. 1, 2, 4 and 8 3. 75 4. 10 5. 6,300 6. 5 7. 90 8. 4 9. 7,000</p>
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NEW WAVE MENTAL MATHS (5th Class book) – Answers

10. 14
11. 18
12. kite
13. False
14. -3
15. 45°
16. cylinder
17. 18
18. 7
19. 4 out of 52
20. $\frac{2}{3}$
21. 15
22. 1,000
23. 5 in 8
24. $\frac{19}{5}$
25. 0.4

WEEK 12 pages 35–37

Monday

1. 06:00
2. 1, 2, 4 and 8
3. 18
4. 18
5. 4 and 10
6. 4
7. $\frac{14}{4}$
8. Teacher check
9. 125
10. 20
11. yes
12. 6
13. kite
14. 2
15. 30,000
16. 23.7
17. C
18. -5
19. 2
20. $\frac{1}{2}$

Tuesday

1. 18:00
2. 15 and 20
3. 120
4. 5
5. yes
6. 6
7. 20
8. 28
9. 22
10. Teacher check
11. -4
12. $4\frac{2}{4}$
13. no
14. cylinder
15. $\frac{4}{5}$
16. 3
17. 65
18. 10

19. 396
20. hundred thousands

Wednesday

1. 11:00
2. 1, 3 and 9
3. obtuse
4. $\frac{2}{3}$
5. 495
6. $\frac{5}{8}$
7. 05
8. 9 and 12
9. 4
10. 42
11. 65
12. 7
13. 25
14. 74.9
15. $\frac{24}{10}$
16. yes
17. 8
18. 28,000
19. 500
20. 26 out of 52

Thursday

1. 22:00
2. obtuse
3. 70
4. 50
5. $\frac{7}{8}$
6. 3
7. 26 out of 52
8. 1, 2, 5 and 10
9. 2,000
10. 8
11. $\frac{1}{2}$
12. 2
13. 594
14. 116.5
15. 4
16. 8 and 16
17. cuboid
18. False
19. 70,000
20. 2

Problem solving

Monday

1. €1, 10c, 2c, 1c
2. 7.60

Tuesday

1. 200
2. 125

Wednesday

1. 100
2. 80

Thursday

1. Teacher check
2. Teacher check

Friday review

1. 11:00
2. 60
3. 0.7
4. 10
5. 12,000
6. $\frac{3}{5}$
7. 12 and 15
8. 8
9. 9
10. 70,000
11. 1, 3 and 9
12. 90
13. 6
14. 693
15. 3,000
16. 56.5
17. True
18. 4
19. 26 out of 52
20. 400
21. square pyramid
22. $\frac{16}{6}$
23. Teacher check
24. Teacher check
25. -4

WEEK 13 pages 38–40

Monday

1. 08:00
2. 90
3. 10
4. 1, 3, 5 and 15
5. 8
6. $3\frac{2}{6}$
7. 1
8. 300.5
9. 250
10. 4 out of 52
11. 9
12. 01
13. 1,800
14. 17
15. hundred thousands
16. 0.25, 0.5, 0.75
17. Teacher check
18. yes
19. 15
20. $\frac{3}{5}$

Tuesday

1. 19:00
2. 35
3. 24
4. 12
5. 5 and 15
6. 2
7. 0.4
8. 4,000

9. 21
10. 30
11. 25
12. 5,939
13. 17
14. decagon
15. 0.03, 0.3, 0.6
16. 36
17. 05
18. 10
19. 280
20. yes

Wednesday

1. 02:00
2. false
3. 9
4. 11
5. 1,000
6. 72
7. 1
8. 960.4
9. 2
10. 100
11. 09
12. Teacher check
13. $\frac{1}{3}$
14. 1, 3, 7 and 21
15. 160
16. hexagon
17. 25
18. 0.2, 0.22, 0.8
19. $\frac{17}{3}$
20. 24

Thursday

1. 23:00
2. 18
3. 18
4. 0.56, 0.75, 0.8
5. 63
6. 80,000
7. 2
8. 4
9. 250
10. 90
11. 14 and 28
12. 03
13. 50
14. triangular prism
15. 100
16. $\frac{2}{3}$
17. 2,400
18. 5
19. 693
20. equilateral

Problem solving

Monday

1. 12
2. 42

Tuesday

1. Teacher check
2. 4

Wednesday

1. 5 and 4
2. 8

Thursday

1. 7 triangles and 1 square
2. $360 + 150 = 510$

Friday review

1. 22:00
2. True
3. 90
4. 1, 2, 7 and 14
5. 2
6. Teacher check
7. 25
8. 700.7
9. 350
10. 30°
11. 5
12. 18
13. 63
14. 4,800
15. 7
16. kite
17. 0.2, 0.4, 0.8
18. 0.4
19. Teacher check
20. yes
21. 65
22. 21
23. 20
24. 6,599
25. no

WEEK 14 pages 41–43

Monday

1. 5 a.m.
2. 4
3. 680.2
4. 6,296
5. 2
6. 16
7. 0.2, 0.25, 0.5
8. 30
9. Teacher check
10. 4 out of 52
11. 07
12. 1
13. 30
14. 26
15. 5,000
16. $\frac{1}{4}$
17. circle
18. 1, 2, 11 and 22
19. $\frac{44}{5}$
20. 60,000

NEW WAVE MENTAL MATHS (5th Class book) – Answers

<p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 10 a.m. 2. 12 3. 14 4. 5 5. 6 6. 10,004 7. $\frac{1}{2}$ 8. heptagon 9. 5 10. 100 11. 02 12. 10 13. hemisphere 14. hundred thousands 15. 36 16. 10 17. 4 in 9 18. 1 in 9 19. 4 in 9 20. 8 in 9 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. 1 p.m. 2. 12 3. 2,298 4. 9 5. cube 6. False 7. 297.5 8. 7,994 9. 24 and 33 10. 3 11. 4 12. 30 13. 08 14. 990 15. 10,001 16. 21 17. 15 18. 06 19. 0.07, 0.3, 0.7 20. 8 out of 52 <p style="text-align: center;">Thursday</p> <ol style="list-style-type: none"> 1. 11 p.m. 2. $\frac{2}{5}$ 3. dodecagon 4. 302.9 5. 1, 2, 3, 6, 9 and 18 6. 90 7. 4 8. 16 9. nonagon 10. 20 11. $4\frac{3}{8}$ 12. 80 and 88 13. 6 14. vertical 15. right 	<ol style="list-style-type: none"> 16. 9 17. 0.05, 0.5, 0.55 18. 25 19. 6,000 20. 300 <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <ol style="list-style-type: none"> 1. 100, 10, 1 2. $2\frac{2}{4}$ or $2\frac{1}{2}$ <p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 75 2. 10 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. $12 \times 5 = 60$ 2. 45 <p style="text-align: center;">Thursday</p> <ol style="list-style-type: none"> 1. 30 2. 26 <p style="text-align: center;">Friday review</p> <ol style="list-style-type: none"> 1. 2 p.m. 2. 10 3. 40 4. 140 5. 1, 3, 7 and 21 6. 9 7. 5 8. $\frac{4}{5}$ 9. 18 10. nonagon 11. 3 12. 200,000 13. 0.3, 0.5, 0.55 14. hemisphere 15. 04 16. cuboid 17. 9 18. $3\frac{1}{8}$ 19. 891 20. 4 out of 52 21. circle 22. 85 23. 28 24. 90 25. 28 and 40 <p style="text-align: center;">WEEK 15 pages 44–46</p> <p style="text-align: center;">Monday</p> <ol style="list-style-type: none"> 1. 8 a.m. 2. 1602.9 3. 3 4. 1.10 5. 10,004 6. 70 7. 800 8. 90 9. 1,500 10. 180 11. 6,300 	<ol style="list-style-type: none"> 12. 9,990 13. 45° 14. 10 15. hundred thousands 16. 100 17. 40 18. 1, 5 and 25 19. False 20. isosceles <p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 5 p.m. 2. 45 and 54 3. 1,550 4. 1.4 5. 8 6. 35 7. 10,202.7 8. $\frac{1}{2}$ 9. $\frac{4}{8}$ 10. 125 11. square pyramid 12. 36 13. 12 out of 52 14. 60 15. 35 16. 0.3, 0.6, 0.9 17. 9,950 18. 9 19. 8 20. 7 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. 8 p.m. 2. 1, 2, 3, 4, 6, 8, 12 and 18 3. 40 4. 18 5. 400,000 6. 22 7. 1.8 8. 12 9. $\frac{1}{5}$ 10. 10° 11. 25 12. 800 13. 3 14. 41.6 15. 24 16. scalene 17. 0.02, 0.2, 0.25 18. 54 19. pentagonal prism 20. True <p style="text-align: center;">Thursday</p> <ol style="list-style-type: none"> 1. 3 p.m. 2. cylinder 3. 20 4. 13 out of 52 or 1 in 4 	<p style="text-align: center;">WEEK 16 pages 47–49</p> <p style="text-align: center;">Monday</p> <ol style="list-style-type: none"> 1. 07:30 2. 25 3. parallelogram 4. 2.1 5. 555.7 6. 7,996 7. $4\frac{1}{7}$ 8. $\frac{6}{10}$ 9. 15° 10. 0.5 11. 12 12. 72 13. 6 14. 5 15. $\frac{2}{3}$ 16. 16 17. triangular prism 18. 0.9, 0.6, 0.4 19. hundred thousands 20. True <p style="text-align: center;">Tuesday</p> <ol style="list-style-type: none"> 1. 04:15 2. 7,999 3. $\frac{1}{2}$ 4. 2.9 5. 95 6. 6 7. 150 8. rectangle 9. 50 10. 55 11. ten thousands 12. 800 13. 4 14. True 15. 13 out of 52 or 1 in 4 16. 20 17. mL 18. 5 19. 144 20. 97 <p style="text-align: center;">Wednesday</p> <ol style="list-style-type: none"> 1. 19:20 2. 0.33, 0.3, 0.03 3. 25 4. 2.5 5. 40 6. 26 7. 30 8. 5 9. 07 10. 100° 11. 49 12. 60 13. $\frac{39}{7}$ 14. 350
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NEW WAVE MENTAL MATHS (5th Class book) – Answers

15. $\frac{6}{12} = \frac{1}{2}$
16. pentagonal prism
17. $2\frac{1}{5}$
18. triangular pyramid
19. 4
20. 150

Thursday

1. 22:45
2. 30
3. pentagonal pyramid
4. 410
5. 81
6. 2.5
7. L
8. $\frac{3}{4}$
9. 99
10. hemisphere
11. True
12. 8, $1\frac{3}{5}$
13. 9,900
14. 0.71, 0.7, 0.17
15. square
16. 75
17. 5
18. 0
19. 5
20. 30,000

Problem solving

Monday

1. 0.25, 0.50, 0.75, 1.0
2. 10 in 20 or 1 in 2

Tuesday

1. A less
2. A more

Wednesday

1. 50
2. 9

Thursday

1. 705
2. 685 - PLEASE CHECK

Friday review

1. 19:30
2. $5\frac{6}{7}$
3. 55
4. parallelogram
5. yes
6. 16
7. 160
8. 2.8
9. 0.45, 0.4, 0.2
10. 350
11. 25
12. 6
13. 0.04
14. $\frac{4}{10}$
15. 60
16. Teacher check

17. cube
18. 1,500
19. 13 out of 52 or 1 in 4
20. 9,850
21. mL
22. 49
23. 5
24. 35
25. 24

WEEK 17 pages 50–52

Monday

1. 08:25
2. 0.03
3. cone
4. 5
5. 56
6. 60
7. $\frac{7}{10}$
8. 15, 3
9. Teacher check
10. L
11. 900
12. 5
13. 1
14. 0.52, 0.5, 0.25
15. 3
16. 6, 9
17. Teacher check
18. 6,400
19. hundred thousands
20. €2

Tuesday

1. 10:45
2. 8
3. 750
4. $\frac{5}{6}$
5. 693
6. 50
7. 5
8. yes
9. 19.60
10. 1 out of 52
11. 64
12. 66
13. 0.14
14. 178
15. 25
16. 3
17. 197
18. 0.66, 0.6, 0.06
19. 25
20. $5\frac{3}{8}$

Wednesday

1. 15:20
2. $\frac{5}{6}$
3. 49.50
4. 0.04

5. hundreds
6. 10
7. 4
8. 100
9. 4
10. 91
11. 180°
12. 51
13. 2,800
14. True
15. 0.02, 0.2, 2
16. 6
17. no
18. Tuesday
19. no
20. Saturday

Thursday

1. 18:35
2. L
3. 15
4. 201
5. 3
6. no
7. 50c
8. 7
9. 5
10. kite
11. 9
12. False
13. 40
14. $\frac{56}{100}$
15. $\frac{63}{10}$
16. 0.52, 0.5, 0.25
17. 1,626
18. 12 out of 52
19. 3, 0.3, 0.03
20. \square

Problem solving

Monday

1. 3
2. 8

Tuesday

1. Teacher check
2. 525

Wednesday

1. B has a better chance
2. 55c

Thursday

1. 1.00 a.m.
2. 6.00 p.m.

Friday review

1. 17:25
2. 81
3. 10
4. 50
5. 29
6. 64

7. L
8. 6
9. 138
10. 180°
11. True
12. 8.50
13. no
14. $\frac{31}{4}$
15. circle
16. 4,000
17. 50c
18. 0.03, 0.3, 3, 33
19. Teacher check
20. 8 out of 52
21. Teacher check
22. 8
23. 0.75, 0.7, 0.5
24. 5
25. 3,600

WEEK 18 pages 53–55

Monday

1. 4.25 p.m.
2. 8
3. 5c
4. 0.07, 0.7, 7, 7.7
5. $\frac{2}{3}$
6. 8
7. Teacher check
8. 58
9. 0.52
10. $5\frac{7}{10}$
11. 60
12. $\frac{5}{10}$
13. 0.9
14. ten thousands
15. 11 cm
16. 13, 17 and 19
17. 110
18. 300
19. 3.3
20. 7,500

Tuesday

1. 10.40 a.m.
2. 36
3. 5
4. $\frac{2}{8}$
5. 20c
6. 7
7. 04
8. rectangle
9. $\frac{3}{4}$
10. \square
11. mL
12. 8.3
13. 4
14. 16 out of 52
15. 25

16. 14.60
17. 200
18. 0.44, 0.4, 0.04
19. 3
20. 8.8, 8, 0.8, 0.08

Wednesday

1. 5.05 a.m.
2. 7
3. 7.3
4. 6
5. 35
6. 24
7. 1
8. 5,220
9. 8
10. heptagon
11. 4,000
12. 40,000
13. 7
14. 1
15. 15
16. 0.22, 0.2, 0.02
17. 195
18. rhombus
19. $\frac{29}{6}$
20. 12, 14, 15, 16 and 18

Thursday

1. 7.50 p.m.
2. 100
3. 6
4. 4
5. 9,975
6. 7
7. 0.9
8. $\frac{6}{8}$
9. 30
10. sphere
11. 76.25
12. L
13. 21,000
14. 30
15. 1
16. 14.1
17. $\frac{3}{4}$
18. 18.60
19. yes
20. 2,000

Problem solving

Monday

1. Teacher check
2. 200

Tuesday

1. 5
2. 0, 5



Wednesday

1. 13
2. 8

NEW WAVE MENTAL MATHS (5th Class book) – Answers

<p style="text-align: center;">Thursday</p> <p>1. 1.75 2. 1, 1, 1</p> <p style="text-align: center;">Friday review</p> <p>1. 7.55 p.m. 2. 0.5 3. 9 4. 9,925 5. 26 out of 52 or 1 in 2 6. 50 7. 7 8. 4 9. 11,500 10. 7 11. 300 12. 60 13. 7 14. $\frac{2}{8}$ 15. 3 16. $\frac{2}{3}$ 17. 2,700 18. 16 19. 80, 8, 0.8, 0.08 20. rhombus 21. 5 22. 8 23. 310 24. vertical 25. 9.3</p> <p style="text-align: center;">WEEK 19 pages 56–58</p> <p style="text-align: center;">Monday</p> <p>1. 6.25 p.m. 2. 5.56 3. 135° 4. 650 g 5. 8 6. $\frac{2}{6}$ 7. 50 8. 10 9. 17 10. 5.2 11. 4,100 12. 4, 6 13. 15 14. 7 15. 09 16. 26.40 17. $\frac{8}{10}$ 18. 12 19. 60 20. False</p> <p style="text-align: center;">Tuesday</p> <p>1. 9.20 p.m. 2. 25 3. 85 4. 2.11</p>	<p>5. 5 6. 18 7. 10 8. $\frac{4}{5}$ 9. 4.3 10. Teacher check 11. 1,010 12. 10 13. 180 14. 0.77, 0.7, 0.07 15. 07 16. 01 17. 57.60 18. Teacher check 19. $4\frac{6}{7}$ 20. 8</p> <p style="text-align: center;">Wednesday</p> <p>1. 4.55 a.m. 2. 9.55 3. 5 4. 8 5. 19 6. $\frac{4}{6}$ 7. 10 8. $\frac{2}{3}$ 9. 9.2 10. Teacher check 11. 64 12. $\frac{11}{4}$ 13. $2\frac{3}{4}$ 14. 1 15. L 16. 8 out of 52 17. 101 18. 3,460 19. 9,750 20. 0.52, 0.5, 0.25</p> <p style="text-align: center;">Thursday</p> <p>1. 8.35 a.m. 2. 68.80 3. 4 4. 27 5. 16.1 6. 11 7. $\frac{49}{9}$ 8. 6 9. Teacher check 10. \square^L 11. 16 12. 8.88 13. $\frac{4}{5}$ 14. 12,000 15. 0.3, 0.33, 3.3, 30 16. 9 17. 0.50 18. 10 19. $\frac{1}{3}$ 20. 11</p>	<p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. 15 2. 16</p> <p style="text-align: center;">Tuesday</p> <p>1. Teacher check 2. Teacher check</p> <p style="text-align: center;">Wednesday</p> <p>1. 12 2. 4</p> <p style="text-align: center;">Thursday</p> <p>1. 35 2. 135</p> <p style="text-align: center;">Friday review</p> <p>1. 9.45 p.m. 2. 7.77 3. 4,800 4. 05 5. 7 6. 20 7. $\frac{4}{6}$ 8. 7, 49 9. 20 10. 18 11. True 12. 6.1 13. 2,330 14. 6 15. 9,250 16. 0.2, 2.2, 20.2, 22 17. $4\frac{2}{8}$ 18. 7.40 19. 29 20. Teacher check 21. 9,500 22. 180 23. 9 24. 60 25. 54.90</p> <p style="text-align: center;">WEEK 20 pages 59 – 41</p> <p style="text-align: center;">Monday</p> <p>1. 18:25 2. $\frac{3}{4}$ 3. 12.6 4. 52 5. 6 6. 20 7. 225 8. 1 9. $\downarrow \frac{1}{2}$ kg 10. 500 11. 1 in 6 12. 96 13. $<90^\circ$ 14. 4 15. $\frac{1}{3}$ 16. 64</p>	<p>17. \square 18. Teacher check 19. 3,000 20. 9,989</p> <p style="text-align: center;">Tuesday</p> <p>1. 5.50 p.m. 2. 58 3. $\frac{1}{4}$ 4. 81 5. 0.2 6. $9\frac{4}{9}$ 7. 108 8. 2 9. 100 10. 7 11. $\frac{4}{5}$ 12. 22 13. 8 14. 26 out of 52 or 1 in 2 15. 10 16. 25 17. 10 18. lorries 19. cars 20. bikes</p> <p style="text-align: center;">Wednesday</p> <p>1. 04:15 2. $\frac{2}{3}$ 3. 25 4. 16 5. 72 6. 20.1 7. 19 8. 32 9. 100 10. Teacher check 11. 1 in 2 12. False 13. 7 14. Teacher check 15. 124 16. rectangular pyramid 17. $\frac{2}{10}$ 18. Teacher check 19. 31.25 20. 70</p> <p style="text-align: center;">Thursday</p> <p>1. 9.05 p.m. 2. 49 3. Teacher check 4. $\frac{3}{12}$ 5. 51 6. 19 7. Teacher check 8. 144 9. $\frac{5}{8}$</p>	<p>10. \triangle 11. $\frac{53}{7}$ 12. 36.1 13. 3,250 14. \square^L 15. 3 in 6 16. no 17. $\frac{5}{6}$ 18. 140 19. Teacher check 20. 25.25</p> <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. Teacher check 2. 2.65</p> <p style="text-align: center;">Tuesday</p> <p>1. 40 2. 80</p> <p style="text-align: center;">Wednesday</p> <p>1. 100 2. 100,010</p> <p style="text-align: center;">Thursday</p> <p>1. 8.37 a.m. 2. 11.37 p.m.</p> <p style="text-align: center;">Friday review</p> <p>1. 19:05 2. True 3. 45 4. \square^L 5. $\frac{2}{3}$ 6. 42.1 7. 8, 64 8. 4 9. 38 10. 16 out of 52 11. 4 12. 17 or 19 13. 81 14. 2,250 15. $\frac{2}{4}$ 16. 02 17. 48 18. Teacher check 19. 7 20. $\frac{27}{6}$ 21. 100 22. 4 in 5 23. 3,000 24. 115 25. Teacher check</p> <p style="text-align: center;">WEEK 21 pages 62–64</p> <p style="text-align: center;">Monday</p> <p>1. 20:00 2. 500,050 3. 100,001 4. 40</p>
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NEW WAVE MENTAL MATHS (5th Class book) – Answers

<p>5. $3\frac{2}{5}$ 6. 0.3 7. 4 8. 39.95 9. 26 10. Teacher check 11. 60 12. 3 in 6 13. $\frac{1}{3}, \frac{3}{6}, \frac{5}{6}$ 14. 8,000 15. no 16. 45 17. square pyramid 18. 18 19. 14 20. nonagon</p> <p style="text-align: center;">Tuesday</p> <p>1. 02:30 2. 20 3. 100,001 4. $\frac{3}{5}$ 5. 1,300 6. 100,010 7. 3 apples for 15c 8.  9. parallelogram 10. 51.60 11. 2.7 12. 100 13. 7 14. 13.5 15. 16 16. True 17. 0.8 18. 750 19. Teacher check 20. 0.08, 0.5, 0.8</p> <p style="text-align: center;">Wednesday</p> <p>1. 17:15 2. 100,000 3. 4.2 4. $6 \times 6 = 36$ 5. 2 6. 10 7. 31.6 8. 1 9. $\frac{4}{7}$ 10. 6 11. Teacher check 12. $\frac{1}{4}, \frac{1}{2}, \frac{6}{8}$ 13. 27.70 14. 120 15. $\frac{2}{3}$ 16. triangular pyramid 17. 3 18. 3, 4, 8 19. 21 20. 30</p>	<p style="text-align: center;">Thursday</p> <p>1. 07:45 hours 2. 100,004 3. 60 4. 30 5. 22 6. 2.5 7. $\frac{2}{3}$ 8. 61.3 9. 120 10. 18 11. $\frac{2}{3}$ 12. 121 13. 100,003 14. heptagon 15. 8 16. 150 17. Mar Yr 2 18. 25 19. Feb Yr 1 20. Yr 2</p> <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. 2,055 2. 1,400</p> <p style="text-align: center;">Tuesday</p> <p>1. Slamdunk 2. 300,509</p> <p style="text-align: center;">Wednesday</p> <p>1. –€8 2. Matt</p> <p style="text-align: center;">Thursday</p> <p>1. B ↓ 2. A ↓</p> <p style="text-align: center;">Friday review</p> <p>1. 15:45 2. 25 3. 100,011 4. 57.96 5. 1.5 6. 140 7. yes 8. 4 9. $\frac{3}{4}$ 10. 18 11. Shop +€35 Evan +€10 –€25 Eva –€10 12. 3 13. $\frac{18}{5}$ 14. Teacher check 15. Teacher check 16. 11, 121 17. 6 18. 14 19. $\frac{5}{6}$ 20. $3\frac{4}{5}$ 21. Teacher check</p>	<p>22. 2 in 6 23. 10 24. $\frac{3}{12}, \frac{1}{2}, \frac{4}{5}$ 25. 8</p> <p style="text-align: center;">WEEK 22 pages 65–67</p> <p style="text-align: center;">Monday</p> <p>1. 04:10 2. 100,001 3. 1 in 2 4. 0.01 5. 7 6. $\frac{7}{8}$ 7. 30 8. Teacher check 9. 95.88 10. 7 11. 4.0 or 4 12. 21 13. 18 14. 7 tenths 15. 4 16. 58 17. triangular prism 18. 8 19. 20c 20. 28</p> <p style="text-align: center;">Tuesday</p> <p>1. 19:20 2. 3 3. 100,001 4. $\frac{3}{4}, \frac{1}{2}, \frac{2}{8}$ 5. 4 6. 100,100 7. 3 or 3.0 8. 3.5 9. 28 10. 90 11. 700 12. 121 13. 20 14. 5 15. kite 16. 3 17. 60 18. 120 19. 1.0 20. Teacher check</p> <p style="text-align: center;">Wednesday</p> <p>1. 07:55 2. 100,003 3. 1.5 4. 2 in 6 5. $\frac{5}{6}$ 6. $\frac{4}{5}$ 7. 100,110 8. 89.78 9. 50c</p>	<p>10. cube 11. 16 12. 120 13. 10 14. 0.05 15. 0.7 16. 800 17. 10 18. 60 19. 70 20. 0.75, 0.5, 0.25</p> <p style="text-align: center;">Thursday</p> <p>1. 07:55 2. 100,003 3. 5 4. 40 5. 3 6. 700 7. $\frac{1}{3}, \frac{4}{6}, \frac{8}{9}$ 8. 9 tenths 9. 7 10.  11. 65.60 12. 50 13. 121 14. trundle wheel 15. acute 16. 531 17. 60 18. $\frac{3}{4}$ 19. 400 20. $\frac{9}{12}$</p> <p style="text-align: center;">Problem solving</p> <p style="text-align: center;">Monday</p> <p>1. 13 2. 1,850</p> <p style="text-align: center;">Tuesday</p> <p>1. 400 mL 2. Teacher check</p> <p style="text-align: center;">Wednesday</p> <p>1. 4 in 10 2. 2 in 10</p> <p style="text-align: center;">Thursday</p> <p>1. 8, 3 2. 8</p> <p style="text-align: center;">Friday review</p> <p>1. 13:55 2. 2,970 3. 100,005 4. 7, 3 5. $\frac{7}{9}$ 6. 3 7. 36.96 8. 3 9. 94 10. $\frac{8}{12}$ 11. 4</p>	<p>12. 40 13. 100 14. 700 15. 22 16. 4 tenths 17. 8 18. 2 19. 24 20. Teacher check 21. $\frac{1}{5}, \frac{1}{2}, \frac{7}{10}$ 22. 0.06 23. 634 24. 900 25. 90</p> <p style="text-align: center;">WEEK 23 pages 68–70</p> <p style="text-align: center;">Monday</p> <p>1. 08:40 hours 2. 25 3. 180 4. 4.4 5. 4 6. 100,002 7. Teacher check 8. 2 9. $\frac{8}{10}$ or $\frac{4}{5}$ 10. 3 11. 03 12. $\frac{6}{7}$ 13. $\frac{2}{6}, \frac{4}{9}, \frac{3}{6}, \frac{2}{3}$ 14. 40.55 15. 4.5 16. 48.32 17. F 18. 15 19. 24 20. 600</p> <p style="text-align: center;">Tuesday</p> <p>1. 14:25 hours 2. 75 3. 100,004 4. 60 5. 8 6. 601,110 7. 17 8. 90 9. $5\frac{4}{5}$ 10. pentagonal pyramid 11. $\downarrow \frac{1}{4}$ kg 12. tenths 13. 2c 14. 16, Teacher check 15. 20° 16. 600 17. 19 18. 124.2 19. 72,000 20. ten thousands</p>
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NEW WAVE MENTAL MATHS (5th Class book) – Answers

Wednesday

1. 11:20 hours
2. 100,001
3. 800
4. 5
5. 13 out of 52
6. 14.50
7. $\frac{2}{3}$
8. 37.54
9. 8.5
10. 700
11. 4
12. 16
13. 45
14. True
15. Teacher check
16. 28
17. $\frac{1}{12}, \frac{1}{2}, \frac{3}{4}, \frac{7}{8}$
18. hundredths
19. 9,000
20. 19,991

Thursday

1. 11:20 hours
2. 4
3. Teacher check
4. 8
5. 0.01, 0.09, 0.1, 0.9
6. 100,003
7. $\frac{47}{9}$
8. 1
9. 121
10.
11. 80
12. 09
13. 6,700
14. pentagonal prism
15. 6 cm
16. Dec
17. Nov
18. Oct Yr 1 and Dec Yr 1
19. 9 cm
20. Yr 2

Problem solving

Monday

1. 6
2. 400

Tuesday

1. 159
2. 165

Wednesday

1. $36 \div 12 = 3$
2. T, T
H, T
T, H

Thursday

1. $5\frac{1}{2}$
2. 165

Friday review

1. 13:20 hours
2. True
3. 2
4. 6
5. 20
6. 14
7. hundredths
8. 60
9. 3.2
10. 45°
11. Teacher check
12. 4
13. $\frac{8}{10}$ or $\frac{4}{5}$
14. 650
15. 12
16. $\downarrow \frac{3}{4}$ kg
17. pentagonal prism
18. 8,000
19. $\frac{1}{9}, \frac{3}{9}, \frac{2}{3}, \frac{5}{6}$
20. 58.62
21. 30
22. 551.6
23. 22
24. 8, Teacher check
25. 16

WEEK 24 pages 71–73

Monday

1. 10:35 hours
2. 100,001
3. 20
4. 60
5. 2.5
6. 28,798
7. thousands
8. 3
9. $\frac{6}{8}$ or $\frac{3}{4}$
10. 22:30
11. 1
12. 18.55
13. 144
14. 200
15. 80
16. 1,800
17. =
18. $\frac{1}{5}, \frac{1}{2}, \frac{6}{10}$
19. 700
20. $3\frac{3}{7}$

Tuesday

1. 20:52 hours
2. 120
3. 24
4. 10
5. tenths
6. 100,003
7. 4
8. 99,995

9. 108
10. G
11. 215
12. 18,999
13. 43,097
14. yes
15.
16. <
17. 303,030
18. 18
19. 9.8
20. 15.98

Wednesday

1. 02:30 hours
2. 3.5
3. 9,890
4. 725
5. 3
6. 100,006
7. 9.9
8. yes
9. 1,900
10. g
11. 693
12. $\frac{1}{6}, \frac{3}{9}, \frac{2}{3}, \frac{11}{12}$
13. 20
14. 812,210
15. $\frac{8}{10}$ or $\frac{4}{5}$
16. Teacher check
17. 8.2
18. $\frac{31}{4}$
19. 4 out of 52
20. 45

Thursday

1. 12:20 hours
2. 11,099
3. 80
4. 9.6
5. 475
6. 100,002
7. 38,795
8. 911,110
9. 49
10. 250
11. $\frac{3}{4}$
12. 1.60
13. $\frac{5}{12}$
14. 72
15. 64
16. 49
17. hundredths
18. 6
19. 4 out of 52
20. 36

Problem solving

Monday

1. 25
2. $5 \times 0.1, 5 \times 10, 5 \times 100$

Tuesday

1. $70 \div 10, 70 \times 1, 70 \div 0.1$
2. 56

Wednesday

1. 145
2. =

Thursday

1. 7 and 8
2. 4 and 9

Friday review

1. 00:50
2. 80
3. 90°
4. $\frac{2}{3}$ or $\frac{6}{9}$
5. hundred thousands
6. 650
7. 3,000
8. 8.8
9. $\frac{35}{4}$
10. 22.55
11. $\frac{1}{12}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}$
12. 6.5
13. 14
14. 130
15. 72,094
16. 16
17. 30
18. 0.05
19. 800
20. Teacher check
21. 100,297
22. $\downarrow 2\frac{1}{4}$ kg
23. $4\frac{7}{9}$
24. 23
25. 32

WEEK 25 pages 74–76

Monday

1. 08:20
2. 80
3. $\frac{3}{4}$
4. 9
5. 100,005
6. 4.2
7. Teacher check
8. 35,496
9. 120
10. 01
11. 22.4
12. $\frac{3}{4}$
13. 2
14. 07

15. 16
16. 5
17. rectangle
18. 48
19. 40
20. 1,700

Tuesday

1. 22:15 hours
2. 8
3. 625
4. 9,000
5.
6. 25
7. 3
8. 15
9. hexagonal pyramid
10. 15, 1.5, 1.05, 0.15
11. tenths
12. 18
13. 6
14. 4
15. 25
16. 70
17. 5
18. 10
19. 15
20. 20

Wednesday

1. 00:05 hours
2. $\frac{8}{10}$ or $\frac{4}{5}$
3. 20,220
4. $\frac{1}{2}$
5. 100,004
6. 29,899
7. 48
8. 7
9. 12
10. 03
11. Teacher check
12. 9,200
13. 11.7
14. 12
15. 65
16. equilateral
17. 100
18. 77.98
19. 60
20. 339,000

Thursday

1. 12:10 hours
2. 135°
3. 50
4. 11,999
5. 100,006
6. $\frac{2}{3}$
7. 9,000
8. False
9. 8

NEW WAVE MENTAL MATHS (5th Class book) – Answers

10. scalene
11. 440,004
12. 0
13. 38.17
14. Teacher check
15. 9
16. 144
17. 4
18. 14
19. 19.20
20. 31,204

Problem solving

Monday

1. 180
2. 60

Tuesday

1. 48
2. 360

Wednesday

1. 52
2. 2 in 5

Thursday

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

Friday review

1. 00:05
2. 45
3. 35
4. $\frac{1}{2}$
5. $\frac{3}{4}$
6. 25,000
7. 38
8. 16
9. 29.20
10. 775
11. 10 and 8
12. 20,450
13. 04
14. 81
15. 7.50
16. False
17. nonagon
18. 120
19. 39.34
20. Teacher check
21. 7
22. 7
23. rectangle
24. 6
25. 24

WEEK 26 pages 77–79

Monday

1. 23:10 hours
2. 108
3. 10
4. 70
5. 4.5

6. 1,700
7. 4
8. \square
9. 600
10. 4.7
11. 10,000
12. 6
13. 2 out of 6
14. 45
15. 2
16. 6
17. 12
18. 9
19. 3
20. 3

Tuesday

1. 05:20 hours
2. 60
3. 1
4. 9,997
5. 0.44
6. 75,000
7. 12
8. 10
9. 5
10. 10,000
11. 4
12. 7
13. 42
14. 24.50
15. 25
16. Teacher check
17. no
18. 29.77
19. -3°C
20. 2

Wednesday

1. 00:35 hours
2. 10
3. 25
4. 9,998
5. 22
6. 29,000
7. 58
8. 56
9. 75
10. 0.99
11. 2
12. 18
13. 900
14. 151,000
15. 20.7
16. E
17. 180
18. 0.003
19. 3
20. 6.41

Thursday

1. 12:10 hours
2. 0.77
3. 18,000
4. 6
5. 28
6. 75
7. 9,993
8. 10
9. $4\frac{1}{4}$
10. 10
11. False
12. 4
13. thousandths
14. $\frac{32}{7}$
15. thousands
16. 4,700
17. 750
18. 55
19. 3
20. triangular prism

Problem solving

Monday

1. 300
2. 171,500

Tuesday

1. 0.7
2. 0.7

Wednesday

1. 1
2. 1

Thursday

1. 9 and 6
2. 1 triangle, 8 squares, 3 triangles

Friday review

1. 00:50 hours
2. 70
3. 36
4. \square
5. 0.3, 0.13, 0.05, 0.02
6. 0.55
7. 99,999
8. 2
9. 8,999
10. 60
11. 2400
12. -4°C
13. False
14. 10
15. 33
16. 0.99
17. 20
18. 4
19. thousandths
20. Teacher check
21. 180

22. pentagonal prism
23. 4 out of 9
24. 4
25. hemisphere

WEEK 27 pages 80–82

Monday

1. 8
2. 11
3. 0.03, 0.3, 3, 30
4. 8
5. 12
6. 10
7. 140
8. 1,400
9. 0.25
10. 10
11. 12,092
12. $\frac{1}{3}$
13. triangle
14. 14.22
15. $7\frac{7}{10}$
16. 9
17. 1°C
18. 2
19. 180
20. 1,900

Tuesday

1. 4
2. 97,000
3. 71
4. 800
5. 200,000
6. 24
7. 6
8. 4 out of 7
9. Teacher check
10. $\frac{1}{4}$
11. 6
12. 0.47
13. 22.5
14. $\frac{1}{3}$
15. 4,800
16. 48,000
17. 11, 13, 17 and 19
18. Teacher check
19. 44.31
20. 6 apples for 48c

Wednesday

1. 5
2. 6
3. 100,001
4. 72,000
5. 105,000
6. 11
7. 30
8. 6.42

9. $\frac{3}{4}$
10. 71.52
11. Teacher check
12. 4 out of 7
13. 12
14. 64
15. $\frac{2}{4}$
16. 30
17. 100
18. 2
19. 30,304
20. 21.95

Thursday

1. 10
2. 10,000
3. 11
4. 2
5. 1,550
6. thousandths
7. 15
8. 23.23
9. 4,700
10. 18.6
11. 4
12. 0.32
13. $\frac{5}{10}$
14. Teacher check
15. reflex
16. 0.06
17. 120
18. 10
19. 1.2
20. 10

Problem solving

Monday

1. 15
2. 16

Tuesday

1. 50
2. 1,250

Wednesday

1. 160
2. 7 and 8

Thursday

1. 21st April
19:00
2. 1,415

Friday review

1. 3
2. 12
3. 20
4. 1,250
5. 20
6. 0.05, 0.1, 5, 10
7. 7.39
8. 36,000
9. 36

NEW WAVE MENTAL MATHS (5th Class book) – Answers

10. 0.35
11. 3
12. 1,800
13. 180
14. 105,000
15. 9
16. 89,998
17. $4\frac{3}{10}$
18. 6 apples for €2.40
19. hundredths
20. 17.5
21. 10
22. Teacher check
23. 6 in 8 or 3 in 4
24. $\frac{3}{5}$
25. 48

WEEK 28 pages 83–85

Monday

1. 10
2. 100,006
3. 90
4. Teacher check
5. 30
6. 0.3
7. 909,999
8. 3
9. 120
10. 7,000
11. 33,894
12. 8,910
13. 10 out of 21
14. 2
15. 15.6
16. $\frac{2}{5}$
17. triangular prism
18. 12
19. 5
20. 0.08

Tuesday

1. 20
2. Teacher check
3. 0.05
4. 3
5. 1.8
6. 10
7. 28.18
8. 4
9. $\frac{3}{5}$ or $\frac{6}{10}$
10. 7
11. $\frac{3}{4}$
12. 0.2
13. 5
14. $4 \times 8 = 32$
15. 108
16. 19.75
17. 10

18. 1,400
19. 21
20. 16,000

Wednesday

1. 8
2. 26,397
3. 7.65
4. 8
5. 9,250
6. 4.9
7. 300
8. $\frac{2}{6}$ or $\frac{1}{3}$
9. 990,090
10. 2
11. 9
12. 26.25
13. Teacher check
14. 11
15. 35,500
16. 7
17. 14
18. 21
19. 14
20. 42

Thursday

1. 11
2. 100,001
3. 45°
4. 39,899
5. True
6. 909,009
7. 180
8. 1,250
9. 0.36
10. 3
11. 25
12. 1
13. 39,000
14. 13
15. 189,900
16. 1
17. tenths
18. 750
19. 240
20. 5.30 p.m.

Problem solving

Monday

1. 10
2. 34

Tuesday

1. 8
2. 4

Wednesday

1. 45,000
2. 8

Thursday

1. 16, 6, 1
2. 105

Friday review

1. 11
2. 6,500
3. 45
4. 100°
5. 5
6. 27,194
7. 1
8. 16
9. 4,000
10. 53.28
11. True
12. $\frac{2}{10}$ or $\frac{1}{5}$
13. 30
14. 20
15. 2
16. 8
17. 9.50 p.m.
18. 1,450
19. 35
20. 180
21. $6 \times 7 = 42$
22. Teacher check
23. 3.1
24. 34.25
25. tenths

WEEK 29 pages 86–88

Monday

1. 4
2. 10
3. 0.21
4. 28
5. 100,001
6. 900,009
7. 27
8. 16
9. 180
10. 12.75
11. $40 \div 8 = 5$
12. 23.72
13. tenths
14. 36
15. 0.75
16. 5
17. cube
18. 146,000
19. 5
20. irregular

Tuesday


1. 10
2. 3
3. 10.4
4. 0.45
5. $\frac{2}{8}$ or $\frac{1}{4}$
6. 13.00
7. 0.99
8. 5

9. Teacher check
10. 4
11. 22,220
12. 7.60
13. 4
14. 440
15. 75
16. 80,998
17. 5,960
18. 28
19. 30
20. parallelogram

Wednesday

1. 6
2. 0.72
3. $\frac{3}{6}$ or $\frac{1}{2}$
4. 9
5. 5
6. 21:00 hours
7. 30
8. 11
9. $\frac{5}{6}$
10. $6 \times 3 = 18$
11. hundredths
12. 20,000
13. 121
14. 1,970
15. 82,093
16. Teacher check
17. 7,200
18. 80
19. 7
20. obtuse

Thursday

1. 8
2. 135
3. 
4. 100,003
5. 0.41
6. 60
7. Teacher check
8. 6
9. nonagon
10. $\frac{3}{12}$ or $\frac{1}{4}$
11. 13
12. 45
13. 250,000
14. 2,900
15. 6
16. 2.15 p.m.
17. 28,496
18. 21
19. 8
20. cm

Problem solving

Monday

1. Teacher check
2. $\frac{2}{8}$

Tuesday

1. 6.25
2. 18

Wednesday

1. 8.15 p.m.
2. 2,050 g

Thursday

1. Teacher check
2. Teacher check

Friday review

1. 6
2. 24
3. 100,006
4. $\frac{2}{10}$ or $\frac{1}{5}$
5. Teacher check
6. 2.93
7. 17
8. 1,350
9. thousandths
10. 3
11. 750
12. 6
13. 4,000
14. 22
15. 3,900
16. $\frac{3}{12}$ or $\frac{1}{4}$
17. 110°
18. 90.02
19. Teacher check
20. 19:00 hours
21. 
22. 69,400
23. Teacher check
24. 16
25. 2

WEEK 30 pages 89–91


Monday

1. 2
2. 0.58
3. square-based pyramid
4. 100,004
5. 4
6. 500
500
1,000
7. 6,500
8. $\frac{3}{12}$ or $\frac{1}{4}$
9. rectangle
10. 17.25
11. 7
12. 55.16
13. tenths

NEW WAVE MENTAL MATHS (5th Class book) – Answers

14. 2.1
15. 21
16. 12
17. 30
18. V
19. $35 - 7 = 28$
20. $8\frac{5}{9}$

Tuesday

1. 16
2. 442,000
3. 11
4. 12,000
5. 30
6. 20%
7. 7
8. 30
9. 
10. $\frac{4}{10}$ or $\frac{2}{5}$
11. 9
12. 6
13. b
14. $60 + 70 = 130$
15. 22.75
16. 5
17. 7,500
18. $\frac{2}{3}$
19. Teacher check
20. 16

Wednesday

1. 100
2. 18,999
3. 12
4. $90 \div 6 = 15$
5. 12.9
6. 8
7. 74.64
8. thousandths
9. Z
10. 30
11. 2
12. 80°
13. Teacher check
14. 0.8
15. 19.00
16. Teacher check
17. 22:30
18. 10,500
19. 90
20. 02:00

Thursday

1. 8
2. 4
3. 1,500
4. 9,000
5. 600
6. 103,201
7. $100 \times 5 = 500$

8. 100,009
9. 10
10. $\downarrow 1$ kg
11. 2
12. $\frac{5}{8}$
13. 33
14. Teacher check
15. $\frac{1}{4}$
16. 12.50
17. 1,989
18. 27
19. 60
20. 12

Problem solving

Monday

1. Teacher check
2. Teacher check

Tuesday

1. 3×30 kg and
 1×10 kg

2. Teacher check


Wednesday

1. Teacher check
2. 650

Thursday


1. 90
2. 5, 8
17, 12

Friday review


1. 8
2. 3.52
3. 98,999
4. hexagonal pyramid
5. 2,000
6. 05
7. 2
8. 100
9. 0.15
10. 24
11. $\frac{1}{3}$
12. 4.15
13. 8
14. 
15. 5,500
16. $70 + 80 = 150$
17. 26.65
18. 9
19. 12
20. 15
21. Teacher check
22. 45
23. 3,600
24. 150,203
25. 3

WEEK 31 pages 92–94

Monday

1. $\frac{1}{4}$
2. 2,250
3. 
4. 0.06
5. 4,500
6. 9.899
7. False
8. 399,958
9. 52.43
10. 89,975
11. 110,010
12. $36 \div 6 = 6$
13. 2
14. irregular
15. False
16. 400
17. 40
18. 4
19. 8
20. 66, 72, 78
96, 102, 108, 114

Tuesday

1. $\frac{5}{8}$
2. Teacher check
3. 35.38
4. 1,000,001
5. 631,299
6. $\frac{4}{5}$
7. $150 + 250 = 400$
8. 111,000
9. 
10. 8 out of 52
11. 4
12. 20
13. 24
14. 3
15. D
16. 00:00 hours
17. $3\frac{1}{2}$
18. 1,900
19. 2, 3, 5, 7
20. a

Wednesday

1. $\frac{2}{10}$ or $\frac{1}{5}$
2. 5
3. 100,099
4. $6\frac{2}{5}$
5. hexagonal prism
6. 13.5
7. 19.993
8. prism
9. 9
10. 16
11. 16.899
12. 12, 8, 6

13. $500 - 75 = 425$
14. 63
15. 4,200
16. Teacher check
17. 3.20 p.m.
18. 17,400
19. acute
20. km

Thursday

1. $\frac{1}{3}$
2. 99,980
3. 11
4. 0.81
5. 198,997
6. $20 \times 6 = 120$
7. 1,400,000
8. 121
9. 20.999
10. 8
11. False
12. Teacher check
13. 9
14. 1,250
15. triangular prism
16. 75 minutes or
1 hour 15 minutes
17. ZZ02
18. ZZ04
19. ZZ03
20. ZZ01

Problem solving

Monday

1. 36
2. 36

Tuesday

1. 13 April
08:30
2. 36

Wednesday


1. 10.50
2. 32

Thursday

1. 8
2. 3,000


Friday review

1. $\frac{1}{3}$
2. 14.25
3. vertical W
horizontal E
4. 2.91
5. 5,750
6. 2,994
7. True
8. 9.899
9. 32
10. 18
11. obtuse b
acute a


12. 2.0
13. 15
14. 24
15. 6
16. 56,000
17. 18
18. 17,000
19. 
20. hundred thousands
21. 10
22. 40
23. 12:00 hours
24. 0.28
25. 3,200

WEEK 32 pages 95–97

Monday

1. 10
2. 7.62
3. Teacher check
4. 1,000,001
5. 27
6. 188,994
7. 1,000,000
8. $\frac{4}{10}$ or $\frac{2}{5}$
9. 10.90
10. 10
11. 1.201
12. 79.50
13. 27
14. $1\frac{1}{4}$
15. 43
16. 0.09
17. 
18. odd
19. 0.27
20. 5

Tuesday

1. 25
2. 1,000,001
3. 290
4. 11.76
5. 30
6. 268,798
7. 1,000,100
8. 
9. triangular pyramid
10. even
11. 59.50
12. $\frac{9}{12}$
13. 12, 24, 36
14. 18.969
15. 0.07, 0.7, 7, 70
16. 32
17. 5
18. $48 - 5 = 43$
19. $8, 1\frac{3}{5}$
20. 190

NEW WAVE MENTAL MATHS (5th Class book) – Answers

Wednesday

1. 5
2. 32
3. 2
4. $\frac{4}{3}$ or $1\frac{1}{3}$
5. odd
6. 19.40
7. 1,002,000
8. 19.50
9. $12 + 15 + 18 = 45$
10. parallelogram
11. 21
12. $3\frac{3}{5}$
13. 246
14. 795,475
15. 3.05
16. C
17. C
18. B
19. B
20. no

Thursday

1. 2.50
2. Teacher check
3. 1,009,999
4. 36
5. 1,000,003
6. 10
7. 8
8. 30
9. 18
10. 30, 3.3, 0.3, 0.03
11. $\frac{3}{12}$ or $\frac{1}{4}$
12. Teacher check
13. 45
14. nonagon
15. $6 \times 10 = 60$
16. 7,000
17. $\frac{3}{4}$
18. 1,095,000
19. 8,500
20. tenths

Problem solving

Monday

1. 1,600
2. Teacher check

Tuesday

1. 6 squares and 2 circles
2. 100

Wednesday

1. 50
2. 150

Thursday

1. 02:05
2. 2, 50, 20, 20

Friday review

1. 12
2. 8
3. 1,090,000
4. Teacher check
5. $\frac{6}{4} = 1\frac{2}{4}$
6. 6,300
7. 5,500
8. $\frac{7}{10}$
9. 40
10. 12, 24, 36
11. tenths
12. 2
13. $15 \times 5 = 75$
14. 3.60
15. 6.879
16. 63
17. 1,000,101
18. 9,000
19. 0.09, 0.19, 0.9, 9
20. 21.25
21. kite
22. 45
23. 36
24. $\frac{1}{4}$
25. $4\frac{5}{6}$

WEEK 33 pages 98–100

Monday

1. +1, -2
2. 1,000,002
3. $\frac{40}{9}$
4. $12 + 8 = 20$
5. 9,992
6. 18,000
7. 900
8. 20
9. 50
10. 250
11. 720
12. 8,500
13. \square
14. Teacher check
15. 180
16. 6,400
17. 13
18. 24
19. $2\frac{3}{7}$
20. 2,205,000

Tuesday

1. +2, -2
2. 64
3. 5.5
4. 1,000,004
5. square pyramid

6. 1,100,010
7. 3
8. tenths
9. 1,700
10. 9,500
11. 65
12. 9.899
13. 60°
14. yes
15. 90
16. 4
17. 1,300,000
18. 200
19. even
20. 12.59 a.m.

Wednesday

1. 0, -10
2. 8, 2
3. 320
4. $\frac{6}{10}$
5. $75 \div 3 = 25$
6. 0.01
7. 109,899
8. 450
9. bathroom scales
10. 5,350,100
11. 81
12. Teacher check
13. Teacher check
14. 2.54
15. 4,200
16. -5°C
17. 14,100
18. 12, 14, 15, 16 and 18
19. 8,500
20. 180

Thursday

1. +8, 0, -8
2. hundredths
3. Teacher check
4. 30.988
5. $\frac{3}{5}$
6. p.m.
7. Teacher check
8. 1,110,010
9. $8 \times 5 = 40$
10. tetra
11. $\frac{5}{6}$
12. 70% of 10 kg
13. 3.29
14. $\text{\textcircled{V}}$
15. 27
16. 35,201
17. 67,100
18. 10
19. 3
20. $200 \div 50 = 4$

Problem solving

Monday

1. 3.60
2. 200

Tuesday

1. Teacher check
2. 40

Wednesday

1. 1.6
2. 3.8

Thursday

1. Teacher check
2. Teacher check

Friday review

1. +2, -4
2. $\frac{6}{10}$ or $\frac{3}{5}$
3. 0.001
4. hundredths
5. 1,700
6. 25
7. 7
8. 104,892
9. 55
10. 180
11. -3°C
12. 28
13. 32
14. 675
15. 12,500
16. 6.93
17. 30
18. 90
19. Teacher check
20. 6,899
21. 4,500
22. 1,001,010
23. Teacher check
24. 800
25. 8.05 p.m.



WEEK 34 pages 101–103

Monday

1. 25
2. 1,111,111
3. 20
4. 100
5. 1,000,000
6. 2,175,000
7. 909,082
8. 0, -12
9. heptagon
10. $90 + 45 = 135$
11. 4.00
12. 82.50
13. 2.5
14. 1,900
15. 370
16. $\frac{5}{3}$ or $1\frac{2}{3}$

17. octagonal prism
18. 27
19. E
20. 76

Tuesday

1. 5
2. 505,043
3. 20
4. False
5. 1,000,003
6. 100
7. 35
8. 
9. 5 out of 11
10. 8.988
11. 30
12. 8
13. 72.50
14. 
15. 1.5
16. 2
17. 6
18. 1.201
19. 49
20. 157,000

Wednesday

1. 20
2. 1,000,006
3. 1,010,909
4. False
5. 202,015
6. 1,055,000
7. +14, -7
8. parallelogram
9. -7°C
10. 5
11. 20
12. 30,150
13. 8,500
14. $200 \times 3 = 600$
15. 2,800
16. 13
17. 20
18. 19 out of 37
19. 20
20. 750

Thursday

1. 15
2. 1,000,002
3. 8
4. 1,101,005
5. 12
6. 202,193
7. 16
8. 0
9. 16

NEW WAVE MENTAL MATHS (5th Class book) – Answers

10. 50% of 4 kg
11. hundredths
12. +4, -2, -6
13. False
14. $\frac{3}{4}$
15. 100
16. 6
17. cricket
18. 9
19. 3
20. 3

Problem solving

Monday

1. 88, 36
2. 13, 5

Tuesday

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

Wednesday

1. triangle
2. triangular pyramid

Thursday

1. 15
2. 11

Friday review

1. 10
2. 61,037
3. 2,400
4. 10
5. 15
6. B
7. 20.1
8. +6, -3
9. -5, -3, 0 +2, +3
10. 45
11. 4
12. 11,500
13. 20
14. hemisphere
15. 100% of 4 kg
16. 0
17. 3,375,000
18. False
19. True
20. 8.798
21. 30,504
22. $800 \times 4 = 3,200$
23. 18
24. 18
25. 12


WEEK 35 pages 104–106

Monday

1. $\frac{6}{8}$ or $\frac{3}{4}$
2. 1,111,111
3. 1 in 2
4. False
5. 1,000,005

6. 3.52
7. 414,139
8. p.m.
9. 40
10. 6
11. 71.876
12. 5
13. 4
14. 26
15. +10, -10
16. 1.201
17. $10 \times 8 = 80$
18. 5, 2, 0.09, 0.03
19. Teacher check
20. 12

Tuesday


1. $\frac{2}{3}$
2. 7.1
3. 18
4. 0.4
5. 1,000,004
6. 30
7. 515,095
8. Teacher check
9. 121
10. 

11. 8,500
12. $\frac{8}{9}$
13. 8, 4
14. 16,000
15. 135°
16. p.m.
17. 8.25 p.m.
18. 1.55 p.m.
19. Tree House Show 2
20. Wizards

Wednesday

1. $\frac{9}{12}$ or $\frac{3}{4}$
2. 27
3. 1,110,011
4. Teacher check
5. 6
6. 217,108
7. 132
8. 101,011
9. True
10. 84
11. 27
12. 60
13. 63.443
14. 46
15. 73.50



16. 
17. 41,060
18. 9
19. 36
20. $\frac{17}{8} = 2\frac{1}{8}$

Thursday

1. $\frac{8}{10}$ or $\frac{4}{5}$
2. 899,893
3. 56.667
4. 12.50
5. 1,000,006
6. Teacher check
7. 144
8. 40
9. 69,040
10. 12
11. +5, 0, -5
12. 200
13. 11
14. 24
15. 16
16. 63.50
17. $32 + 18 = 50$
18. 8
19. 303,015
20. $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}$

Problem solving

Monday

1. Teacher check
2. 1,500

Tuesday

1. 50
2. 150°



Wednesday

1. 3
2. 90

Thursday

1. Teacher check
2. Teacher check

Friday review

1. $\frac{6}{10}$ or $\frac{3}{5}$
2. 1,110,010
3. 83,050
4. 11, 5.5
5. 16
6. 3
7. p.m.
8. 90
9. 324,104
10. 
11. Teacher check
12. 77.438
13. 40
14. +6, -12
15. 
16. 7.9
17. Teacher check
18. $26 - 12 = 14$
19. 48.243
20. $\frac{7}{12}$
21. 15


22. 9
23. 3, 20
24. 9
25. hundredths

WEEK 36 pages 107–109

Monday


1. $\frac{4}{10}$ or $\frac{2}{5}$
2. 08
3. 5.38
4. $5\frac{2}{3}$
5. 808,079
6. 1 out of 6
7. 40.50
8. 250
9. 6
10. 4.50
11. tenths
12. 25
13. kite
14. Teacher check
15. 15
16. 87.963
17. 
18. 693
19. 22.241
20. 35

Tuesday

1. $\frac{1}{3}$
2. 1,190,899
3. 70
4. 178
5. 1,000,004
6. $\frac{7}{8}$
7. 997,987
8. 
9. yes
10. $45 \div 9 = 5$
11. Teacher check
12. 16
13. True
14. Teacher check
15. 8,000
16. 12.50
17. 1,000,000
18. 1,675
19. 700
20. 210

Wednesday

1. $\frac{6}{12}$ or $\frac{1}{2}$
2. 9
3. Teacher check
4. 25
5. triangular prism
6. 250

7. 
8. 16
9. 230
10. Teacher check
11. 115
12. 97.943
13. 21.382
14. 16
15. 8,500
16. 36
17. 2,000,000
18. $\frac{47}{9}$
19. 4.40
20. True

Thursday

1. $\frac{1}{4}$
2. parallelogram
3. 700
4. 0.512
5. True
6. $250 - 85 = 165$
7. 999,899
8. 450,000
9. 1,000,003
10. 1.0
11. 4,200
12. Teacher check
13. 4,700
14. 3 in 6
15. 9
16. Mar
17. Jan
18. Jan, Yr1 and Feb, Yr2
19. 15
20. Yr 1

Problem solving

Monday

1. B and C
2. B

Tuesday

1. 10
2. 27


Wednesday

1. 750
2. 9

Thursday

1. C
2. 3,250

Friday review

1. $\frac{5}{10}$ or $\frac{1}{2}$
2. 07
3. 750
4. 
5. 30.9
6. Teacher check

NEW WAVE MENTAL MATHS (5th Class book) – Answers

7. 599,995
8. 25
9. 278
10. 1,000,005
11. 11,500
12. 7,000
13. Teacher check
14. Teacher check
15. 24
16. 93.374
17. 14
18. 24.532
19. $42 \div 6 = 7$
20. 62
21. 800
22. 190
23. False
24. Teacher check
25. 3,000,000

WEEK 37 pages 110–112

Monday

1. 10
2. 17:50
3. 900
4. 15,000
5. 232,039
6. Teacher check
7. 92
8. 909,965
9. 160,000
10. Teacher check
11. Teacher check
12. 1,000,000
13. square, rectangle, triangle
14. $\frac{13}{7}$ or $1\frac{6}{7}$
15. 10,000,000
16. 40,000
17. 90
18. Teacher check
19. 12
20. 70.05

Tuesday


1. 30
2. A
3. 535,010
4. 421,706
5. $2\frac{2}{4}$
6. 8
7. $\frac{9}{12}$
8. rhombus
9. Teacher check
10. 7
11. 20
12. 1,000,001
13. 18,000
14. 500,000

15. 
16. 4.50
17. 72
18. 24
- 8
- 4
19. 72.227
20. $\frac{8}{7} = 1\frac{1}{7}$

Wednesday

1. 12
2. 4.60
3. 1,900
4. 888,879
5. Teacher check
6. $\frac{6}{9}$
7. 3 in 6
8. 48
9. 3,500
10. 20
11. 10,010,000
12. 18,000
13. 30
14. 2,200
15. 0.6
16. 28
17. 24
18. 2
19. 20
20. 40

Thursday

1. 60
2. 5
3. 
4. 767
5. B
6. Teacher check
7. $3\frac{3}{4}$
8. 7
9. 7,200
10. Teacher check
11. 9
12. 0.301
13. 3,200
14. 5 out of 10
15. 24
16. $\frac{1}{10}, \frac{1}{9}, \frac{1}{5}, \frac{1}{2}$
17. 64
18. 4.25 p.m.
19. 575
20. 1,099,999

Problem solving

Monday

1. 1,500
2. 4.50

Tuesday

1. 70
2. 173,000


Wednesday

1. 6
2. 90

Thursday


1. Teacher check
2. Teacher check

Friday review

1. 15
2. Teacher check
3. 5
4. Teacher check
5. 1,500
6. $120 \div 20 = 6$
7. 180
8. $2\frac{3}{4}$
9. 6
10. square, triangle
11. 4
12. 28
13. 4.50
14. 19:25
15. 25
16. 38,000
17. parallelogram
18. 4,400
19. 
20. Teacher check
21. 84.617
22. 710,720
23. $\frac{9}{6} = 1\frac{3}{6}$
24. 3 in 6
25. 900

WEEK 38 pages 113–115

Monday

1. 10:25
2. 625
3. 7
4. 23
5. 1,725
6. 1
7. 398
8. 7.99
9. ten of thousands
10. 0.9
11. 
12. -7°C
13. 22.384
14. $32 \div 8 = 4$
15. English
16. Maths
17. 13:45
18. 14:45
19. 12:10 hours
20. English and Maths

Tuesday

1. 17:25
2. Teacher check

3. 25
4. 9.1
5. 0
6. 1,465
7. 18.2
8. Teacher check
9. equilateral
10. $\frac{11}{6}$ or $1\frac{5}{6}$
11. 900,000
12. 95
13. 1,000,006
14. 0.8
15. 140
16. $60 \div 6 = 10$
17. 190
18. 17.50
19. 29
20. 198

Wednesday

1. 12:30
2. 87.677
3. 5.80
4. 299,045
5. 17,000
6. 10
7. 30
8. 325
9. 150
10. 0.450
11. 12
12. 5.0
13. L
14. 11
15. 7,500
16. 9
17. 22
18. Teacher check
19. 11, 13, 17 and 19
20. 393,219

Thursday

1. 00:35
2. parallelogram
3. Teacher check
4. Teacher check
5. 36.243
6. 893,497
7. 80
8. 1.0
9. 5,600
10. 10
11. 44
12. 32
13. 54
14. 27
15. 14
16. 6,100
17. 1,000,004
18. 7.50

19. 9.01
20. 14

Problem solving

Monday

1. A
2. B

Tuesday

1. 5
2. 5 and 6


Wednesday

- 0.75, 75
- $\frac{1}{4}, 25$

Thursday

1. 12 m
2. 1,000,000, 1,000,005

Friday review

1. 00:30
2. Teacher check
3. 
4. 83.252
5. 70
6. 200
7. 25
8. 530
9. no
10. 11.50
11. Teacher check
12. $90 \div 6 = 15$
13. 7.99
14. 16
15. $\frac{31}{7}$
16. 10.38
17. 32
18. 6
19. 18
20. 11
21. 12
22. 6
23. 18
24. 2,100
25. 10.01

WEEK 39 pages 116–118


Monday

1. 5
2. $\frac{31}{7}$
3. Teacher check
4. 850
5. 6.70
6. 170
7. hundred of thousands
8. 271,199
9. 36
10. 26
11. 412,194
12. 18

NEW WAVE MENTAL MATHS (5th Class book) – Answers

13. 10
14. 6,500
15. 1.6
16. 120
17. 6 out of 13
18. $8 \times 6 = 48$
19. 800
20. hundredths

Tuesday


1. 12
2. 3
3. 63.158
4. 2,480
5. 320,000
6. Teacher check
7. 1,200
8. 450
9. 6.83
10. Teacher check
11. 8.50
12. 350
13. True
14. 9 apples for 80c
15. 
16. 5
17. 19.97
18. 14, 21, 28, 35
49, 56, 63
19. $\frac{4}{5}$
20. 8

Wednesday

1. 20
2. 90
3. 158
4. 1.6
5. 1.0
6. Teacher check
7. 1,000,000
8. 8.94
9. kg
10. False
11. 66
12. $\frac{9}{5} = 1\frac{4}{5}$
13. 3
14. 9
15. 9
16. Teacher check
17. 25,520
18. 14
19. 36
20. 34

Thursday

1. 8
2. $120 + 85 = 205$
3. 23
4. 440
5. 120

6. 4.8
7. 4
8. 16, 24, 32, 40
56, 64, 72
9. 0.52
10. pentagonal prism
11. 750
12. $\frac{9}{5} = 1\frac{4}{5}$
13. 45
14. 
15. 620,000
16. 18
17. thousandths
18. True
19. $4\frac{2}{4}$
20. 1.5

Problem solving

Monday

1. 225
2. 27.50

Tuesday

1. 200,00
2. 5




Wednesday

1. 12
2. Guitar

Thursday

1. 10
2. no

Friday review


1. 9
2. 49
3. 950
4. $\frac{24}{7}$
5. 7.40
6. pentagonal
7. 6,300
8. 7
9. Teacher check
10. 32
11. 400,000
12. 25
13. 71.343
14. 100
15. $5\frac{1}{4}$
16. $48 + 14 = 62$
17. 
18. 75
19. 
20. 12, 14, 15, 16 and 18
21. $\frac{6}{10}$ or $\frac{3}{5}$
22. 
23. 30
24. 800
25. Teacher check

WEEK 40 pages 80 – 81

Monday


1. 11
2. Teacher check
3. 7
4. 154
5. 99 999
6. 47
7. 710
8. 240
9. 8.21
10. 23.16
11. 15 500
12. 0.2
13. 3 in 6 or 1 in 2
14. 41
15. 7.04
16. 710 000
17. A
18. 40
19. 60
20. 2.15 p.m.

Tuesday

1. $\frac{1}{4}$
2. 50%
3. 25
4. $1\frac{1}{5} = 2\frac{1}{5}$
5. 18 450
6. 4 000 000
7. 47.817
8. 
9. Teacher check
10. 75
11. 25
12. 180°
13. $(30-10) \times 2$
14. 27
15. 12 km
16. 530
17. Teacher check
18. 1.4
19. 10 000
20. 20%

Wednesday

1. 10
2. -3
3. 235
4. 44.151
5. $\frac{1}{12}, \frac{1}{2}, \frac{3}{4}, \frac{7}{8}$
6. 4 200
7. 12 800
8. 2 500
9. 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39
10. 90°

11. 12.003
12. 4 200
13. 5 870
14. A
15. 25
16. 
17. 14
18. heptagon
19. 7
20. 0.24

Thursday

1. 75 000
2. 17.5
3. no
4. 2 800
5. 36
6. $(10+5) \times 2$
7. 11
8. 0.21
9. 7
10. isosceles triangle
11. composite
12. €1 500
13. 1 200
14. Teacher check
15. 0.7, 0.5, 0.25, 0.2
16. 3
17. 1 097 000
18. 145
19. €6.00
20. 1 000 010

Friday review

1. 15
2. no
3. 8°
4. equilateral triangle
5. 210
6. 20
7. 41 210
8. 0.24
9. 20
10. 0
11. 3 800
12. 36
13. 3.15 p.m.
14. 16
15. $\frac{23}{10} = 2\frac{3}{10}$
16. 250
17. 500
18. 16
19. 3 p.m.
20. 4 800
21. 12
22. 2
23. 10
24. 9 and 5
25. 1 002 000

Problem solving

Monday

1. Teacher check
2. €6.00

Tuesday

1. €4.53
2. €3.00

Wednesday

1. 9 and 8
2. 4 and 11

Thursday

1. 1.1
2. 0.25