

Think & Learn

answers



MATHS

NUMBERS



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Page 2

Nearest 10	Nearest 100	Nearest 1,000
990	1,000	1,000
2,640	2,600	3,000
5,120	5,100	5,000
1,380	1,400	1,000
900	900	1,000
4,370	4,400	4,000
7,120	7,100	7,000
9,440	9,400	9,000
8,500	8,500	9,000
3,720	3,700	4,000

Page 3

Exercise 1

- 6
- 7
- 10
- 6
- 1
- 4
- 5
- 2

Exercise 2

- 6.2
- 1.8
- 4.6
- 9.2
- 3.9
- 5.7
- 2.7
- 7.9

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- 144
- 116
- 126
- 38
- 94
- 192
- 480
- 1,380
- 630
- 1,864
- 1,508
- 932
- 3,000
- 7,400
- 2,580
- 5,280
- 4,920
- 3,060
- 6,568
- 8,250
- 12,684
- 16,010
- 7,652
- 2,030

Page 5

- 4.8
- 9.6
- 13.2
- 10.2
- 15.8
- 3.4
- 7.0
- 17.6
- 29.4
- 37.8
- 23.6
- 41.4
- 27.8
- 93.2
- 63.4
- 111.6
- 39
- 16.84
- 31.06
- 48.38
- 67.42
- 90.12
- 149.26
- 113.30

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- | | |
|---------|-----------|
| 1. 18 | 13. 3,500 |
| 2. 24 | 14. 4,050 |
| 3. 37 | 15. 1,820 |
| 4. 31 | 16. 3,360 |
| 5. 45 | 17. 880 |
| 6. 29 | 18. 2,950 |
| 7. 380 | 19. 2,141 |
| 8. 446 | 20. 1,902 |
| 9. 199 | 21. 3,004 |
| 10. 283 | 22. 1,088 |
| 11. 136 | 23. 2,686 |
| 12. 305 | 24. 1,957 |

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- | | |
|----------|-----------|
| 1. 2.3 | 13. 16.9 |
| 2. 4.1 | 14. 29.6 |
| 3. 1.3 | 15. 21.8 |
| 4. 0.2 | 16. 32.9 |
| 5. 3.4 | 17. 8.68 |
| 6. 4.2 | 18. 12.57 |
| 7. 0.4 | 19. 24.66 |
| 8. 1.4 | 20. 16.79 |
| 9. 7.4 | 21. 27.08 |
| 10. 6.1 | 22. 13.54 |
| 11. 9.8 | 23. 18.16 |
| 12. 10.7 | 24. 25.05 |

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- | Exercise 1 | Exercise 2 |
|------------|------------|
| 1. 0.6 | 1. 0.5 |
| 2. 0.3 | 2. 0.8 |
| 3. 0.1 | 3. 0.9 |
| 4. 0,7 | 4. 0.37 |
| 5. 0.35 | 5. 0.75 |
| 6. 0.79 | 6. 0.69 |
| 7. 0.46 | 7. 0.45 |
| 8. 2.9 | 8. 5.6 |
| 9. 4.6 | 9. 3.8 |
| 10. 1.4 | 10. 7.2 |
| 11. 7.3 | 11. 9.3 |
| 12. 3.46 | 12. 6.73 |
| 13. 2.12 | 13. 7.99 |
| 14. 7.07 | 14. 6.35 |

Page 9

1. 240
2. 238
3. 195
4. 198
5. 183
6. 261
7. 225
8. 205
9. 182
10. 215
11. 199
12. 188

Page 10

- | | |
|---------|--------|
| 1. 188 | 13. 44 |
| 2. 386 | 14. 89 |
| 3. 485 | 15. 82 |
| 4. 293 | 16. 67 |
| 5. 388 | 17. 78 |
| 6. 86 | 18. 83 |
| 7. 286 | 19. 67 |
| 8. 72 | 20. 82 |
| 9. 655 | 21. 94 |
| 10. 79 | 22. 35 |
| 11. 34 | 23. 76 |
| 12. 588 | 24. 84 |

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- | | |
|-----------|-----------|
| 1. 1,074 | 13. 8,228 |
| 2. 1,254 | 14. 3,791 |
| 3. 1,194 | 15. 1,879 |
| 4. 1,118 | 16. 3,854 |
| 5. 3,113 | 17. 2,987 |
| 6. 1,255 | 18. 9,230 |
| 7. 6,149 | 19. 2,771 |
| 8. 1,029 | 20. 7,359 |
| 9. 3,128 | 21. 975 |
| 10. 4,216 | 22. 1,957 |
| 11. 7,090 | 23. 3,108 |
| 12. 2,619 | 24. 5,276 |

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- | | |
|----------|------------|
| 1. 806 | 8. 10,129 |
| 2. 1,580 | 9. 8,209 |
| 3. 679 | 10. 5,537 |
| 4. 531 | 11. 6,573 |
| 5. 1,102 | 12. 4,215 |
| 6. 1,313 | 13. 7,242 |
| 7. 711 | 14. 10,200 |

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- | | |
|-----------|-----------|
| 1. 240 | 13. 21 |
| 2. 3,600 | 14. 1 |
| 3. 5,700 | 15. 44 |
| 4. 720 | 16. 110 |
| 5. 86,000 | 17. 1,000 |
| 6. 48,000 | 18. 10 |
| 7. 14,000 | 19. 100 |
| 8. 880 | 20. 10 |
| 9. 17 | 21. 10 |
| 10. 26 | 22. 100 |
| 11. 4 | 23. 10 |
| 12. 99 | 24. 100 |

Page 14

- | | |
|-----------|------------|
| 1. 45 | 13. 11,000 |
| 2. 64 | 14. 10 |
| 3. 99 | 15. 7,300 |
| 4. 1 | 16. 4,000 |
| 5. 78 | 17. 10 |
| 6. 18 | 18. 100 |
| 7. 6 | 19. 10 |
| 8. 13 | 20. 1,000 |
| 9. 440 | 21. 100 |
| 10. 9,000 | 22. 100 |
| 11. 2,000 | 23. 1,000 |
| 12. 1,400 | 24. 10 |

Page 15

- | | |
|-----------|------------|
| 1. 441 | 11. 3,059 |
| 2. 192 | 12. 1,268 |
| 3. 405 | 13. 2,224 |
| 4. 438 | 14. 738 |
| 5. 170 | 15. 3,234 |
| 6. 128 | 16. 16,872 |
| 7. 348 | 17. 18,268 |
| 8. 1,476 | 18. 19,825 |
| 9. 1,730 | 19. 13,538 |
| 10. 1,548 | 20. 8,433 |

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- | | |
|----------|------------|
| 1. 952 | 9. 10,220 |
| 2. 735 | 10. 8,802 |
| 3. 1,798 | 11. 18,684 |
| 4. 442 | 12. 17,184 |
| 5. 1,394 | 13. 15,268 |
| 6. 3,854 | 14. 15,486 |
| 7. 1,334 | 15. 13,612 |
| 8. 1,479 | 16. 11,178 |

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- | | |
|-----------|-----------|
| 1. 340 | 11. 560 |
| 2. 1,080 | 12. 1,440 |
| 3. 1,660 | 13. 1,920 |
| 4. 940 | 14. 460 |
| 5. 720 | 15. 280 |
| 6. 1,840 | 16. 680 |
| 7. 1,560 | 17. 360 |
| 8. 920 | 18. 500 |
| 9. 780 | 19. 1,980 |
| 10. 1,240 | 20. 860 |

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- | | |
|-----------|-----------|
| 1. 320 | 11. 720 |
| 2. 1,300 | 12. 640 |
| 3. 1,080 | 13. 420 |
| 4. 1,500 | 14. 1,840 |
| 5. 360 | 15. 860 |
| 6. 600 | 16. 1,360 |
| 7. 440 | 17. 1,220 |
| 8. 280 | 18. 1,840 |
| 9. 780 | 19. 300 |
| 10. 1,340 | 20. 820 |

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- | |
|------------|
| 1. 340,905 |
| 2. 128,154 |
| 3. 700,033 |
| 4. 834,904 |
| 5. 336,521 |
| 6. 942,499 |
| 7. 315,421 |
| 8. 562,492 |

1. One hundred and ninety-two thousand, three hundred and sixty- one.
2. Four hundred and fifty thousand, five hundred and sixty-five.
3. Six hundred and forty-one thousand, two hundred and thirty-six.
4. Seven hundred and ten thousand and fifty-five.
5. Two hundred and seventy-four thousand, three hundred and fifty-eight.
6. Eight hundred and thirty-five thousand, seven hundred and seventeen.
7. Two hundred and sixty-seven thousand, nine hundred and five.
8. Five hundred thousand, six hundred and three.

- | | |
|---------------------------|---------|
| 1. one | 1 |
| 2. five hundred thousand | 500,000 |
| 3. one thousand | 1,000 |
| 4. fifty | 50 |
| 5. three hundred thousand | 300,000 |
| 6. one hundred | 100 |
| 7. ten | 10 |
| 8. five thousand | 5,000 |

Page 22

- | | |
|------|-------|
| 1. > | 7. > |
| 2. > | 8. > |
| 3. < | 9. > |
| 4. < | 10. < |
| 5. > | 11. < |
| 6. < | 12. < |

Page 23

- 2, 4, 6, 8, 10, 12, 14, 16, 18, 20
- 3, 6, 9, 12, 15, 18, 21, 24, 27, 30
- 4, 8, 12, 16, 20, 24, 28, 32, 36, 40
- 5, 10, 15, 20, 25, 30, 35, 40, 45, 50
- 6, 12, 18, 24, 30, 36, 42, 48, 54, 60
- 7, 14, 21, 28, 35, 42, 49, 56, 63, 70
- 8, 16, 24, 32, 40, 48, 56, 64, 72, 80
- 9, 18, 27, 36, 45, 54, 63, 72, 81, 90
- 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

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- | | |
|-------|--------|
| 1. 28 | 16. 9 |
| 2. 40 | 17. 9 |
| 3. 54 | 18. 9 |
| 4. 56 | 19. 5 |
| 5. 32 | 20. 3 |
| 6. 42 | 21. 8 |
| 7. 36 | 22. 6 |
| 8. 48 | 23. 10 |
| 9. 64 | 24. 3 |
| 10. 6 | 25. 12 |
| 11. 7 | 26. 4 |
| 12. 4 | 27. 9 |
| 13. 7 | 28. 2 |
| 14. 7 | 29. 3 |
| 15. 7 | |

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- | | |
|-------|--------|
| 1. 48 | 8. 9 |
| 2. 27 | 9. 9 |
| 3. 20 | 10. 9 |
| 4. 56 | 11. 8 |
| 5. 54 | 12. 4 |
| 6. 22 | 13. 11 |
| 7. 63 | 14. 3 |

Page 26

- Missing number 300
 $6 \times 50 = 300$
 $50 \times 6 = 300$
 $300 \div 6 = 50$
 $300 \div 50 = 6$
- Missing number 270
 $3 \times 90 = 270$
 $90 \times 3 = 270$
 $270 \div 90 = 3$
 $270 \div 3 = 90$
- Missing number 8
 $8 \times 25 = 200$
 $25 \times 8 = 200$
 $200 \div 8 = 25$
 $200 \div 25 = 8$
- Missing number 120
 $4 \times 120 = 480$
 $120 \times 4 = 480$
 $480 \div 4 = 120$
 $480 \div 120 = 4$

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- | | |
|----------|----------|
| 1. False | 6. True |
| 2. True | 7. True |
| 3. False | 8. False |
| 4. False | 9. False |
| 5. True | 10. True |

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- | | |
|-------------------------------|-------------------------------|
| 1. tenths $\frac{3}{10}$ | 6. hundredths $\frac{3}{100}$ |
| hundredths $\frac{4}{10}$ | |
| 2. tenths $\frac{5}{10}$ | 7. tenths $\frac{7}{10}$ |
| hundredths | hundredths $\frac{4}{100}$ |
| 3. hundredths $\frac{4}{100}$ | 8. tenths $\frac{9}{10}$ |
| | hundredths $\frac{6}{100}$ |
| 4. tenths $\frac{6}{10}$ | 9. hundredths $\frac{2}{100}$ |
| | tenths $\frac{6}{10}$ |
| 5. tenths $\frac{5}{10}$ | 10. tenths $\frac{5}{10}$ |
| | hundredths $\frac{2}{100}$ |

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- | | |
|-----------|-----------|
| 1. 3.74 | 10. 63 |
| 2. 0.6 | 11. 129 |
| 3. 0.082 | 12. 10 |
| 4. 5.46 | 13. 10 |
| 5. 43.6 | 14. 100 |
| 6. 0.247 | 15. 100 |
| 7. 0.512 | 16. 10 |
| 8. 0.0734 | 17. 456 |
| 9. 382 | 18. 9,465 |

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- | | |
|----------|----------|
| 1. 845 | 10. 6.43 |
| 2. 37 | 11. 0.7 |
| 3. 613 | 12. 100 |
| 4. 40 | 13. 100 |
| 5. 146 | 14. 10 |
| 6. 5 | 15. 100 |
| 7. 940 | 16. 100 |
| 8. 9,367 | 17. 10 |
| 9. 0.246 | 18. 10 |

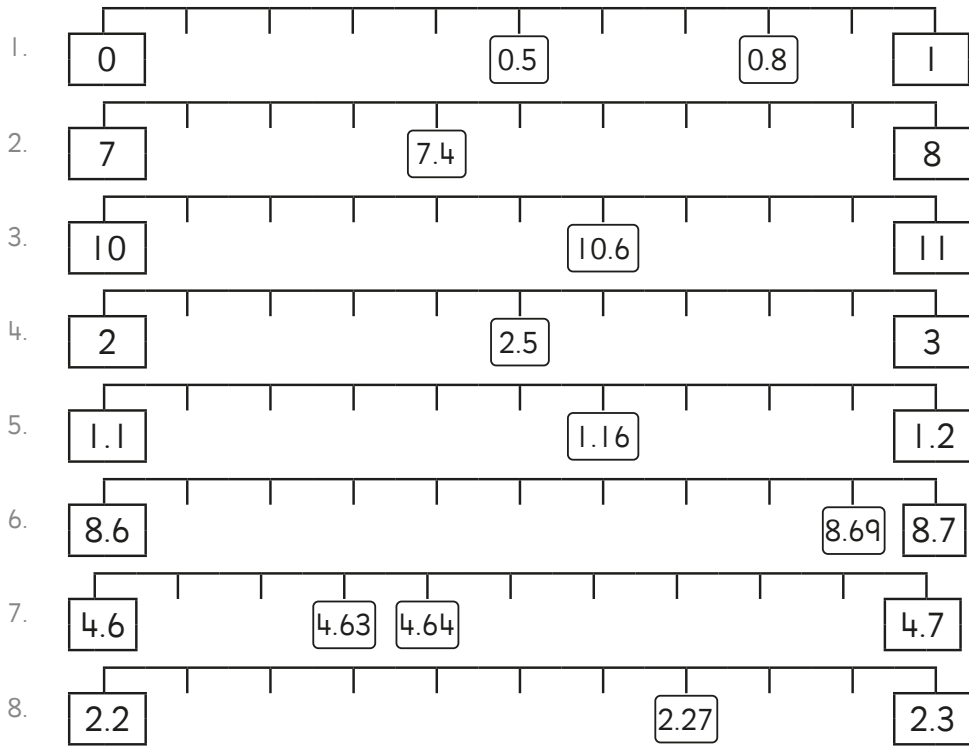
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Exercise 1

- 0.05, 0.5, 0.51, 0.54
- 0.06, 0.36, 0.6, 0.63
- 0.1, 0.17, 0.7, 1.79
- 0.06, 0.6, 6.0, 6.06, 6.6
- 0.03, 0.33, 3.03, 3.3, 3.33

Exercise 2

- 9.08, 8.9, 0.98, 0.9
- 2.11, 2.1, 2.01, 1.2
- 5.66, 5.06, 0.65, 0.6
- 5.65, 5.63, 5.56, 5.5, 5.1
- 6.93, 6.9, 6.63, 6.39, 6.3



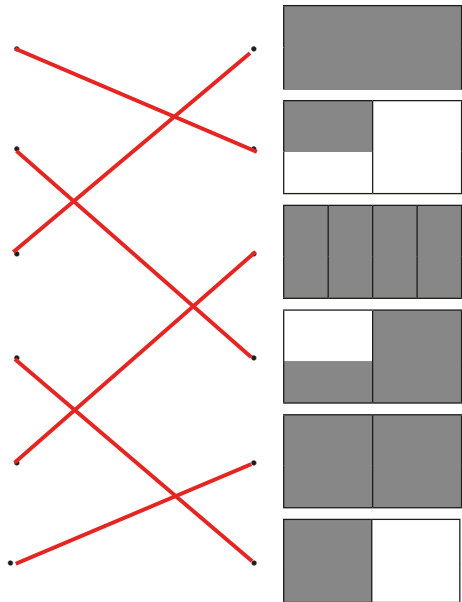
Exercise 1

1. 3
2. 4
3. 5
4. 3
5. 2
6. 2
7. 7
8. 5
9. 4

Exercise 2

1. 7
2. 8
3. 3
4. 8
5. 6
6. 4
7. 9
8. 2
9. 5

1. $\frac{3}{4}$ 0.25
2. $\frac{8}{8}$ 0.75
3. $\frac{1}{4}$ 1.0
4. $\frac{4}{4}$ 0.5
5. $\frac{1}{2}$ 1.0
6. $\frac{1}{1}$ 1.0



- | | |
|-------|---------|
| 1. 9 | 9. 36.4 |
| 2. 66 | 10. 24 |
| 3. 8 | 11. 350 |
| 4. 12 | 12. 714 |
| 5. 57 | 13. 627 |
| 6. 24 | 14. 568 |
| 7. 44 | 15. 140 |
| 8. 40 | 16. 16 |

Exercise 1

1. $\frac{16}{20}$
2. $\frac{12}{24}$
3. $\frac{2}{6}$
4. $\frac{4}{24}$
5. $\frac{6}{10}$
6. $\frac{8}{18}$
7. $\frac{14}{16}$
8. $\frac{6}{12}$

Exercise 2

1. $\frac{4}{10}, \frac{6}{15}, \frac{8}{20}, \frac{10}{25}, \frac{12}{30}$
2. $\frac{6}{8}, \frac{9}{12}, \frac{12}{16}, \frac{15}{20}, \frac{18}{24}$
3. $\frac{4}{12}, \frac{6}{18}, \frac{8}{24}, \frac{10}{30}, \frac{12}{36}$
4. $\frac{6}{16}, \frac{9}{24}, \frac{12}{32}, \frac{15}{40}, \frac{18}{48}$
5. $\frac{4}{18}, \frac{6}{27}, \frac{8}{36}, \frac{10}{45}, \frac{12}{54}$

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- | | |
|-------------------|---------------------|
| 1. $\frac{1}{9}$ | 12. $\frac{2}{3}$ |
| 2. $\frac{1}{6}$ | 13. $\frac{1}{5}$ |
| 3. $\frac{5}{6}$ | 14. $\frac{4}{5}$ |
| 4. $\frac{5}{18}$ | 15. $\frac{3}{7}$ |
| 5. $\frac{1}{4}$ | 16. $\frac{3}{5}$ |
| 6. $\frac{2}{5}$ | 17. $\frac{3}{5}$ |
| 7. $\frac{2}{3}$ | 18. $\frac{1}{4}$ |
| 8. $\frac{3}{4}$ | 19. $\frac{11}{15}$ |
| 9. $\frac{1}{4}$ | 20. $\frac{9}{11}$ |
| 10. $\frac{1}{2}$ | 21. $\frac{1}{2}$ |
| 11. $\frac{1}{8}$ | |

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1. 5, 15
2. 8, 40
3. 4, 24
4. 10, 30
5. 12, 48
6. 9, 45
7. 6, 54
8. 11, 66

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- | | |
|--------------------|--------------------|
| 1. $\frac{41}{12}$ | 9. $\frac{35}{8}$ |
| 2. $\frac{26}{6}$ | 10. $\frac{33}{5}$ |
| 3. $\frac{14}{8}$ | 11. $\frac{17}{2}$ |
| 4. $\frac{17}{6}$ | 12. $\frac{37}{5}$ |
| 5. $\frac{23}{4}$ | 13. $\frac{14}{3}$ |
| 6. $\frac{43}{10}$ | 14. $\frac{41}{7}$ |
| 7. $\frac{14}{5}$ | 15. $\frac{39}{5}$ |
| 8. $\frac{31}{9}$ | 16. $\frac{24}{7}$ |

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Exercise 1

1. $3\frac{3}{5}$
2. $2\frac{3}{7}$
3. $4\frac{2}{3}$
4. $4\frac{1}{2}$
5. $4\frac{3}{4}$
6. $4\frac{2}{6}$
7. $4\frac{1}{8}$
8. $5\frac{4}{9}$
9. $5\frac{2}{5}$
10. $8\frac{7}{9}$

Exercise 2

11. $6\frac{1}{8}$
12. $8\frac{3}{9}$
13. $8\frac{3}{7}$
14. $5\frac{6}{12}$
15. $7\frac{4}{100}$
16. $8\frac{80}{100}$

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- | | |
|---------|----------|
| 1. 0.7 | 11. 0.48 |
| 2. 0.08 | 12. 0.12 |
| 3. 0.2 | 13. 0.75 |
| 4. 0.15 | 14. 0.8 |
| 5. 0.02 | 15. 0.3 |
| 6. 0.4 | 16. 0.8 |
| 7. 0.1 | 17. 0.8 |
| 8. 0.6 | 18. 0.4 |
| 9. 0.6 | 19. 0.7 |
| 10. 0.5 | 20. 0.99 |

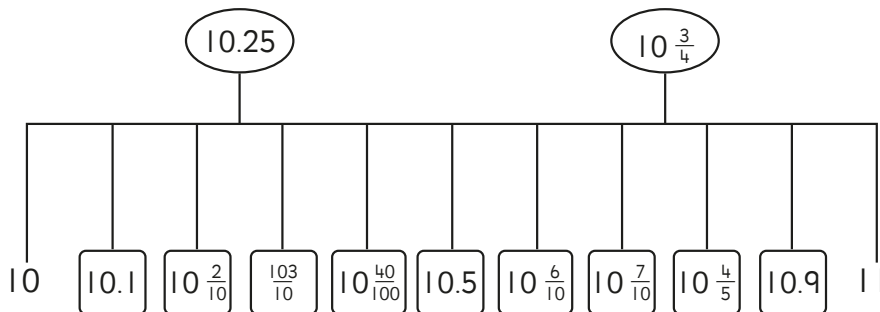
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- | | |
|----------|-----------|
| 1. 1.25 | 11. 8.05 |
| 2. 3.5 | 12. 4.2 |
| 3. 5.11 | 13. 7.4 |
| 4. 6.3 | 14. 6.2 |
| 5. 8.6 | 15. 9.2 |
| 6. 15.6 | 16. 16.9 |
| 7. 2.8 | 17. 14.15 |
| 8. 10.12 | 18. 8.4 |
| 9. 8.16 | 19. 19.7 |
| 10. 5.75 | 20. 10.48 |

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- | | |
|--------------------------|----------------------------|
| 1. $6r1 = 6\frac{1}{2}$ | 10. $8r6 = 8\frac{6}{9}$ |
| 2. $7r1 = 7\frac{1}{3}$ | 11. $4r4 = 4\frac{4}{10z}$ |
| 3. $3r1 = 3\frac{1}{5}$ | 12. $5r2 = 5\frac{2}{6}$ |
| 4. $7r1 = 7\frac{1}{4}$ | 13. $10r4 = 10\frac{2}{6}$ |
| 5. $4r4 = 4\frac{4}{7}$ | 14. $7r2 = 7\frac{2}{6}$ |
| 6. $6r5 = 6\frac{5}{9}$ | 15. $7r4 = 7\frac{2}{6}$ |
| 7. $9r2 = 9\frac{2}{6}$ | 16. $9r1 = 9\frac{2}{6}$ |
| 8. $6r1 = 6\frac{1}{8}$ | 17. $7r1 = 7\frac{2}{6}$ |
| 9. $3r7 = 3\frac{7}{10}$ | 18. $10r3 = 10\frac{2}{6}$ |

1. $3 \text{ r } 7 = 3 \frac{7}{10} = 3.7$
2. $4 \text{ r } 98 = 4 \frac{98}{100} = 4.98$
3. $2 \text{ r } 3 = 2 \frac{3}{5} = 2.6$
4. $9 \text{ r } 6 = 9 \frac{6}{10} = 9.6$
5. $8 \text{ r } 22 = 8 \frac{22}{100} = 8.22$
6. $5 \text{ r } 2 = 5 \frac{2}{5} = 5.4$
7. $9 \text{ r } 3 = 9 \frac{3}{4} = 9.75$
8. $5 \text{ r } 2 = 5 \frac{2}{10} = 5.2$
9. $1 \text{ r } 24 = 1 \frac{24}{100} = 1.24$
10. $8 \text{ r } 1 = 8 \frac{1}{2} = 8.5$
11. $1 \text{ r } 6 = 1 \frac{6}{10} = 1.6$
12. $5 \text{ r } 2 = 5 \frac{2}{4} = 5.5$
13. $6 \text{ r } 88 = 6 \frac{88}{100} = 6.88$
14. $10 \text{ r } 1 = 10 \frac{1}{2} = 10.5$
15. $10 \text{ r } 1 = 10 \frac{1}{4} = 10.25$
16. $7 \text{ r } 8 = 7 \frac{8}{10} = 7.8$
17. $2 \text{ r } 65 = 2 \frac{65}{100} = 2.65$
18. $18 \text{ r } 1 = 18 \frac{1}{2} = 18.5$



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1. 50, 100, 150, 200, 250
2. 20, 40, 60, 80, 100
3. 35, 70, 105, 140, 175
4. 70, 140, 210, 280, 350
5. 80, 160, 240, 320, 400, 480
6. 25, 50, 75, 100, 125
7. 40, 80, 120, 160, 200
8. 90, 180, 270, 360, 450, 540
9. 15, 30, 45, 60, 75
10. 100, 200, 300, 400, 500
11. 30, 60, 90, 120, 150
12. 55, 110, 165, 220, 275
13. 75, 150, 225, 300, 375
14. 60, 120, 180, 240, 300

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|------------|--------------|
| 1. 6, 12 | 13. 24, 48 |
| 2. 24, 48 | 14. 24, 48 |
| 3. 20, 40 | 15. 30, 60 |
| 4. 10, 20 | 16. 18, 36 |
| 5. 8, 16 | 17. 15, 30 |
| 6. 6, 12 | 18. 36, 72 |
| 7. 12, 24 | 19. 10, 20 |
| 8. 10, 20 | 20. 50, 100 |
| 9. 12, 24 | 21. 150, 300 |
| 10. 30, 60 | 22. 100, 200 |
| 11. 42, 84 | 23. 100, 200 |
| 12. 14, 28 | 24. 75, 150 |

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|--------|---------|
| 1. 18 | 13. 24 |
| 2. 60 | 14. 24 |
| 3. 39 | 15. 30 |
| 4. 60 | 16. 72 |
| 5. 56 | 17. 12 |
| 6. 15 | 18. 90 |
| 7. 60 | 19. 75 |
| 8. 18 | 20. 200 |
| 9. 14 | 21. 60 |
| 10. 44 | 22. 200 |
| 11. 42 | 23. 300 |
| 12. 22 | 24. 75 |

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|--------|-------|
| 1. 81 | 4. 60 |
| 2. 42 | 5. 49 |
| 3. 100 | 6. 18 |

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- | | |
|----------|-----------|
| 1. 5,069 | 8. 5,484 |
| 2. 2,879 | 9. 1,948 |
| 3. 1,308 | 10. 2,519 |
| 4. 2,094 | 11. 799 |
| 5. 781 | 12. 2,929 |
| 6. 2,819 | 13. 1,095 |
| 7. 1,389 | 14. 827 |

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|-----------|------------|
| 1. 7,901 | 8. 8,151 |
| 2. 12,364 | 9. 6606 |
| 3. 10,174 | 10. 6524 |
| 4. 12,181 | 11. 10,079 |
| 5. 9,750 | 12. 12,519 |
| 6. 14,201 | 13. 14,225 |
| 7. 9,151 | 14. 12,611 |

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|----------|-----------|
| 1. 17.17 | 10. 1.88 |
| 2. 42.84 | 11. 5.65 |
| 3. 89.24 | 12. 2.55 |
| 4. 95.43 | 13. 1.39 |
| 5. 17.62 | 14. 3.56 |
| 6. 21.07 | 15. 9.08 |
| 7. 1.72 | 16. 16.69 |
| 8. 2.58 | 17. 13.28 |
| 9. 2.78 | |

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Exercise 1

1. 20.17
2. 17.73
3. 32.04
4. 42.13
5. 16,76
6. 15.55
7. 46.61
8. 76.88
9. 14.14
10. 24.15

Exercise 2

1. 7.24
2. 5.43
3. 8.89
4. 15.82
5. 10.89
6. 54.91
7. 12.11
8. 6.44

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- | | |
|-----------|-----------|
| 1. 12.8 | 11. 8.28 |
| 2. 43.5 | 12. 35.88 |
| 3. 37.2 | 13. 10.32 |
| 4. 51.6 | 14. 28.95 |
| 5. 39 | 15. 43.89 |
| 6. 50.96 | 16. 57.44 |
| 7. 30.31 | 17. 17.1 |
| 8. 49.14 | 18. 40.95 |
| 9. 11.88 | 19. 12.28 |
| 10. 37.36 | 20. 25.29 |

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- | | |
|----------|----------|
| 1. 2.4 | 11. 0.77 |
| 2. 1.9 | 12. 0.92 |
| 3. 1.6 | 13. 3.36 |
| 4. 1.4 | 14. 0.92 |
| 5. 2.8 | 15. 0.73 |
| 6. 1.46 | 16. 2.16 |
| 7. 0.83 | 17. 0.87 |
| 8. 1.93 | 18. 0.05 |
| 9. 0.71 | 19. 1.87 |
| 10. 0.66 | 20. 1.64 |

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- | | |
|-------|--------|
| 1. 16 | 9. 32 |
| 2. 12 | 10. 36 |
| 3. 18 | 11. 21 |
| 4. 19 | 12. 48 |
| 5. 15 | 13. 67 |
| 6. 13 | 14. 35 |
| 7. 16 | 15. 18 |
| 8. 14 | 16. 12 |

1. 4×4

2. 6×6

3. 9×9

4. 1×1

5. 7×7

6. 2×2

7. 5×5

8. 3×3

9. 8×8

10. 10×10

81

9

49

100

16

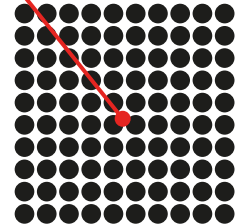
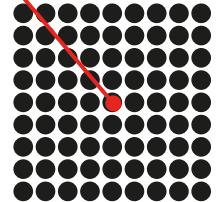
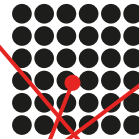
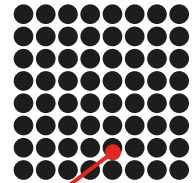
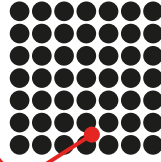
64

4

25

1

36



1. $2 \times 2 \times 2 = 2^3 = 8$

2. $4 \times 4 \times 4 = 4^3 = 64$

3. $1 \times 1 \times 1 = 1^3 = 1$

4. $5 \times 5 \times 5 = 5^3 = 125$

5. $3 \times 3 \times 3 = 3^3 = 27$

The factors of 6

1.

1	6
2	3

The factors of 100

2.

1	100
2	50
4	25
5	20
10	10

The factors of 16

3.

1	16
2	8
4	4

The factors of 20

4.

1	20
2	10
4	5

The factors of 24

5.

1	24
2	12
3	8
4	6

The factors of 32

6.

1	32
2	16
4	8

The factors of 80

7.

1	80
2	40
4	20
5	16
10	8

The factors of 12

8.

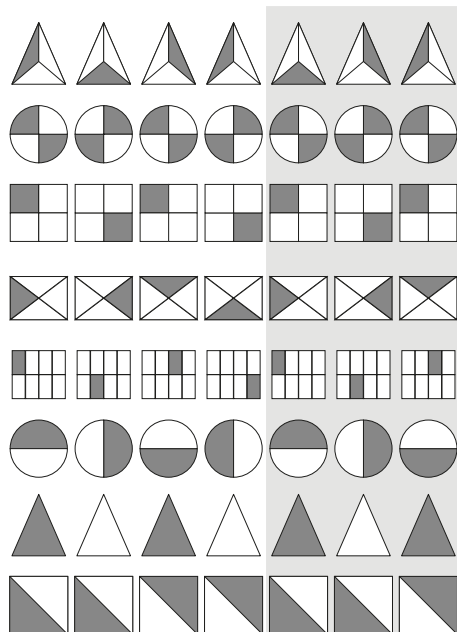
1	12
2	6
3	4

The factors of 9

9.

1	9
3	3

- 1, 2, 3, 6, 7, 14, 21, 42.
- 1, 2, 4, 5, 10, 20, 25, 50, 100.
- 1, 2, 3, 4, 6, 9, 12, 18, 36
- 1, 2, 3, 6, 9, 18.
- 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72
- 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60.
- 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84.
- 1, 2, 4, 8, 11, 22, 44, 88.
- 1, 3, 9, 11, 33, 99.
- 1, 3, 5, 9, 15, 45.
- 1, 2, 3, 4, 6, 8, 12, 24.
- 1, 2, 3, 5, 6, 10, 15, 30



1. 38, 39, 41, 43
2. 430, 420, 410, 380
3. 430, 730, 830
4. 78, 76, 72, 70
5. 830, 850, 860, 880
6. 899, 897, 895, 894
7. 316, 100, 316, 300, 316, 400, 316, 600
8. 234, 236, 238, 240, 242
9. 100, 99, 96, 95
10. 334, 354, 364, 384
11. 399, 700, 399, 600, 399, 400, 399, 300
12. 236, 234, 230, 228, 226

1. 48, 51, 54, 60.
2. 65, 60, 45, 40.
3. 475, 525, 550, 600.
4. 800, 750, 700, 650, 600.
5. 90, 94, 102, 110.
6. 250, 225, 200, 125.
7. 515, 520, 525, 535, 540.
8. 1000, 900, 800, 750.
9. 44, 35, 32, 26.
10. 168, 400, 168, 500, 165, 550, 168, 650, 168, 700.
11. 232, 224, 220, 212.
12. 265, 325, 265, 275, 265, 225, 265, 200.

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1. 3.25, 3.75, 4, 4.5
2. 5.8, 5.6, 5.5, 5.3
3. 8.6, 8.8, 9, 9.4
4. 4, 3.5, 2.5, 2
5. 8.6, 8.2, 8, 7.8
6. 1.1, 1.2, 1.4, 1.5, 1.6
7. 3, 4, 4.5, 5.5
8. 7.25, 7, 6.5, 6.25
9. 2.9, 2.7, 2.5, 2.4
10. 8, 8.5, 9.5, 10.5
11. 4.2, 4.6, 5, 5.2
12. 8.5, 8.25, 8, 7.5, 7.25

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1. 170, 70 – decreasing by 100
2. 3.5, 3.75 – increasing by 0.25
3. 370, 365 – decreasing by 5
4. 68, 70 – increasing by 2
5. 750, 700 – decreasing by 50
6. 5.8, 5.6 – decreasing by 0.2
7. 800, 825 – increasing by 25
8. 150, 140 – decreasing by 10

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1. 345, 467, 849, 241, 443
2. 3,478, 1,570, 2,354, 8,792, 3,896
3. 33 odd
4. 35 odd
5. 9 odd
6. 28 even
7. 181 odd
8. 203 odd
9. 256 even
10. 85 odd
11. 59 odd
12. 640 even
13. 46 even
14. 49 odd

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	estimate	answer
1.	7,000	6,838
2.	1,000	1,304
3.	4,000	4,680
4.	8,000	7,964
5.	1,500	1,596
6.	2	1.99
7.	2,400	2,358
8.	4,000	3,663
9.	12	13.64
10.	3,000	12,492

Exercise 1

1. 8
2. 3
3. 9
4. 7
5. 6
6. 10
7. 15
8. 11

Exercise 2

1. 180
2. 720
3. 300
4. 240
5. 340
6. 160
7. 820
8. 460

1. 54
2. 60
3. 9
4. 6
5. 56
6. 19
7. 5
8. 13

9. 40
10. 3
11. 32
12. 20
13. 10
14. 40
15. 40
16. 1

Exercise 1

1. $6 \times (7) = 42$
2. $(14) \times 8 = 112$
3. $64 \div (8) = 8$
4. $90 - (54) = 36$
5. $(63) \div 3 = 21$
6. $(100) \div 10 = 10$
7. $(25) + 25 = 50$
8. $88 \div (8) = 11$
9. $(42) \div 3 = 14$

Exercise 2

1. $(10-7) \times 2 = (3) \times 2 = 6$
2. $(6-2) \times 3 = (4) \times 3 = 12$

- | | | |
|-----|----------------|-----------------|
| 1. | $\frac{1}{3}$ | $\frac{2}{3}$ |
| 2. | $\frac{1}{6}$ | $\frac{5}{6}$ |
| 3. | $\frac{1}{2}$ | $\frac{1}{2}$ |
| 4. | $\frac{2}{3}$ | $\frac{1}{3}$ |
| 5. | $\frac{1}{5}$ | $\frac{4}{5}$ |
| 6. | $\frac{5}{6}$ | $\frac{1}{6}$ |
| 7. | $\frac{1}{10}$ | $\frac{9}{10}$ |
| 8. | $\frac{2}{5}$ | $\frac{3}{5}$ |
| 9. | $\frac{1}{15}$ | $\frac{14}{15}$ |
| 10. | $\frac{3}{5}$ | $\frac{2}{5}$ |

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	white	black	grey
1.	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{6}$
2.	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{8}$
3.	$\frac{1}{12}$	$\frac{1}{4}$	$\frac{2}{3}$
4.	$\frac{2}{5}$	$\frac{1}{10}$	$\frac{1}{2}$
5.	0	$\frac{2}{3}$	$\frac{1}{3}$

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- | | | | |
|----|--------|----|---------|
| 1. | ▲ = 2 | 3. | ▲ = 10 |
| | ● = 8 | | ★ = 1 |
| | ■ = 4 | | ● = 100 |
| | ■ = 16 | | ■ = 90 |
| | | | ■ = 9 |
| 2. | ■ = 24 | 4. | ■ = 56 |
| | ■ = 2 | | ★ = 28 |
| | ★ = 12 | | ◆ = 4 |
| | ▲ = 6 | | ● = 7 |
| | ● = 4 | | ■ = 2 |
| | | | ▲ = 8 |

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- | | | | |
|----|-------|----|-------|
| 1. | F = 8 | 4. | E = 1 |
| | E = 6 | | D = 6 |
| | C = 3 | | C = 2 |
| | B = 2 | | |
| 2. | C = 8 | 5. | E = 4 |
| | E = 6 | | C = 8 |
| | B = 4 | | D = 1 |
| | A = 3 | | |
| | F = 9 | | |
| 3. | E = 8 | 6. | C = 2 |
| | C = 7 | | D = 6 |
| | B = 6 | | B = 1 |
| | F = 3 | | |
| | D = 2 | | |

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- 20 wraps
- 1.6kg chicken
- 600g mushrooms
- 600g sweet potato
- 20 teaspoons smoked paprika
- 200g onions
- 20 teaspoons hot curry
- 20 teaspoons minced garlic

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1. 136g self-raising flour
2. 40g margarine
3. 128g sugar
4. 120g ground almonds
5. 4 eggs
6. 112g roasted almonds

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- 1a. 6,166
- 1b. 6,000
2. 36 balls
3. 128 tickets
- 4a. 300 seconds
- 4b. 50 turns
5. €1,323
6. 620 pupils
7. €33.28
8. 5 marbles

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9. €2.37
10. 53 sums
11. 114 plants
12. 108 stickers
13. 48 computers
14. 36
15. 48
- 16a. 96 km
- 16b. 192 km
- 16c. 76.8km
- 16d. 384 km

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17. 1.76m · 176m
18. €212
19. 36 months · 1,095 days
30 days
20. 10 boxes 1 box
21. 31 minibuses
22. 307 slices
23. 98
24. Estimation 12,000 ·
Real answer 12,262

25. $24.5\text{cm} \cdot 2.45\text{cm}$
26. 15 trips
27. 49 cars
28. 98 people
29. 12
30. 74 km
31. 415 students
32. 44