

# Quantitative Reasoning Book 3

## Answer key

### Exercise 1: Page 5

1. 603, 604, 606, 607, 608, 609
2. 322, 321, 319, 318, 317, 315, 314, 313
3. 457, 459, 460, 462, 463, 464, 465
4. 278, 276, 275, 274, 273, 272, 270, 269
5. 714, 713, 712, 711, 710, 709, 708, 707, 706, 705
6. 392, 390, 388, 387, 386, 384, 383
7. 880, 881, 882, 883, 885, 886, 887, 888
8. 198, 200, 201, 202, 203, 205, 206, 207
9. 955, 954, 953, 951, 950, 949, 947, 946
10. 348, 347, 346, 345, 343, 342, 341, 339
11. 997, 996, 994, 992, 991, 990, 989, 988
12. 782, 783, 784, 785, 787, 788, 789, 790
13. 526, 525, 524, 522, 521, 520, 518, 517
14. 283, 284, 285, 286, 288, 289, 290, 291

### Exercise 2: Page 6-9

**A**

1. 65, 50, 45
2. 341, 441, 541, 641, 741, 841
3. 223, 224, 225, 226, 227, 228
4. 560, 580, 590, 600, 610, 620
5. 497, 597, 697, 897, 997, 1097
6. 258, 264, 266, 270, 272
7. 80, 100, 110, 120, 130, 140
8. 142, 146, 148, 152, 154
9. 45, 60, 75, 105, 120
10. 88, 208, 408, 508
11. 40, 80, 120, 140, 160
12. 75, 100, 125, 200
13. 139, 147, 151, 159, 163
14. 56, 58, 62, 66
15. 800, 700, 500, 400, 300

**B**

1. 30, 40, 50, 80, 90, 100
2. 440, 430, 420, 410, 400
3. 106, 206, 406, 506, 606, 706

4. 560, 580, 590, 600, 610, 620
5. 27, 33, 39, 51, 57, 63
6. 268, 262, 259, 256, 250
7. 710, 720, 725, 730, 735, 740
8. 210, 310, 410, 610, 710
9. 1094, 894, 794, 694, 594, 494
10. 160, 140, 100, 800, 600, 200
11. 29, 37, 45, 53
12. 632, 636, 638, 640, 644
13. 50, 100, 150, 250, 300, 400
14. 345, 355, 365, 375, 385
15. 24, 48, 60, 84, 96
16. 27, 45, 54, 72

### Exercise 3: Page 10-15

**A**

- |         |         |
|---------|---------|
| 1. 15   | 2. 2    |
| 3. 32   | 4. 0    |
| 5. 29   | 6. 77   |
| 7. 41   | 8. 93   |
| 9. 15   | 10. 15  |
| 11. 80  | 12. 12  |
| 13. 12  | 14. 60  |
| 15. 20  | 16. 2   |
| 17. 73  | 18. 154 |
| 19. 109 | 20. 162 |

**B**

- |        |        |
|--------|--------|
| 1. 11  | 2. 99  |
| 3. 65  | 4. 69  |
| 5. 5   | 6. 6   |
| 7. 1   | 8. 34  |
| 9. 23  | 10. 85 |
| 11. 15 | 12. 57 |
| 13. 10 | 14. 50 |
| 15. 97 | 16. 19 |
| 17. 20 | 18. 10 |

**C**

- |         |         |
|---------|---------|
| 1. 223  | 2. 110  |
| 3. 50   | 4. 25   |
| 5. 102  | 6. 113  |
| 7. 150  | 8. 92   |
| 9. 333  | 10. 45  |
| 11. 107 | 12. 188 |
| 13. 185 | 14. 175 |
| 15. 195 | 16. 455 |
| 17. 170 | 18. 368 |

**Exercise 4: Page 16-19****A**

- |         |         |
|---------|---------|
| 1. 10   | 2. 227  |
| 3. 91   | 4. 30   |
| 5. 344  | 6. 53   |
| 7. 233  | 8. 79   |
| 9. 2    | 10. 254 |
| 11. 70  | 12. 100 |
| 13. 118 | 14. 95  |
| 15. 301 |         |

**B**

- |         |         |
|---------|---------|
| 1. 112  | 2. 250  |
| 3. 232  | 4. 48   |
| 5. 25   | 6. 427  |
| 7. 67   | 8. 291  |
| 9. 21   | 10. 99  |
| 11. 73  | 12. 121 |
| 13. 154 | 14. 220 |

**C**

- |              |              |
|--------------|--------------|
| 1. 165, 80   | 2. 350, 250  |
| 3. 150, 55   | 4. 440, 260  |
| 5. 534, 99   | 6. 358, 118  |
| 7. 570, 320  | 8. 420, 270  |
| 9. 696, 253  | 10. 604, 294 |
| 11. 569, 160 | 12. 490, 171 |
| 13. 609, 283 |              |

**Ex. 5: Page 23****B**

- |         |        |
|---------|--------|
| 1. 20   | 2. 2   |
| 3. 7    | 4. 30  |
| 5. 110  | 6. 60  |
| 7. 27   | 8. 36  |
| 9. 18   | 10. 8  |
| 11. 7   | 12. 8  |
| 13. 8   | 14. 4  |
| 15. 40  | 16. 2  |
| 17. 50  | 18. 21 |
| 19. 45  | 20. 90 |
| 21. 9   | 22. 8  |
| 23. 10  | 24. 48 |
| 25. 63. | 26. 30 |
| 27. 36  |        |

**C**

1. 10, 30, 40, 25
2. 18, 21, 27, 12
3. 18, 30, 42, 36
4. 8, 16, 32, 40
5. 15, 24, 9, 21
6. 50, 80, 30, 70
7. 45, 30, 50, 20
8. 24, 56, 32, 40
9. 66. 55, 77, 88

**Exercise 6: Page 26-29****A**

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

**B**

- |        |        |
|--------|--------|
| 1. 14  | 2. 7   |
| 3. 9   | 4. 9   |
| 5. 6   | 6. 8   |
| 7. 8   | 8. 6   |
| 9. 4   | 10. 8  |
| 11. 7  | 12. 7  |
| 13. 8  | 14. 6  |
| 15. 10 | 16. 9  |
| 17. 11 | 18. 15 |
| 19. 7  | 20. 12 |
| 21. 6  | 22. 11 |
| 23. 13 | 24. 3  |
| 25. 14 | 26. 7  |
| 27. 12 | 28. 6  |
| 29. 8  | 30. 12 |

**C**

- |       |        |
|-------|--------|
| 1. 12 | 2. 6   |
| 3. 27 | 4. 9   |
| 5. 28 | 6. 7   |
| 7. 15 | 8. 5   |
| 9. 20 | 10. 10 |

11. 16  
13. 40

12. 4  
14. 8

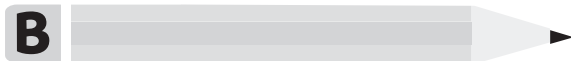
### Exercise 7: Page 30-31

- |                |                |
|----------------|----------------|
| 1. 500, 20, 3  | 2. 600., 10, 7 |
| 3. 400, 30, 4  | 4. 500, 20, 5  |
| 5. 100, 80, 9  | 6. 200, 90, 2  |
| 7. 700, 60, 6  | 8. 600, 50, 2  |
| 9. 800, 90, 1  | 10. 300, 20, 5 |
| 11. 400, 70, 1 | 12. 500, 40, 8 |
| 13. 600, 30, 0 | 14. 300, 10, 5 |
| 15. 900, 20, 9 | 16. 300, 90, 3 |
| 17. 600, 00, 7 | 18. 200, 20, 2 |
| 19. 500, 80, 0 | 20. 700, 80, 6 |
| 21. 400, 80, 4 | 22. 500, 60, 7 |
| 23. 300, 80, 1 | 24. 800, 50, 4 |

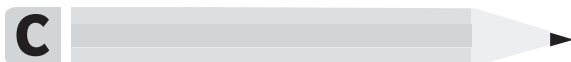
### Exercise 8: Page 32-36



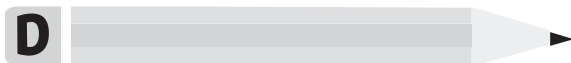
- |      |      |
|------|------|
| 1. b | 2. d |
| 3. b | 4. b |
| 5. d | 6. a |



- |      |      |
|------|------|
| 1. b | 2. b |
| 3. a | 4. c |



- |      |      |
|------|------|
| 1. a | 2. b |
| 3. b | 4. a |



- |      |      |
|------|------|
| 1. c | 2. a |
| 3. c | 4. a |

### Exercise 9: Page 37

- |            |           |
|------------|-----------|
| 1. 5, 11   | 2. 5, 15  |
| 3. 15, 24  | 4. 5, 13  |
| 5. 3, 4    | 6. 5, 12  |
| 7. 4, 10   | 8. 9, 15  |
| 9. 4, 9    | 10. 9, 19 |
| 11. 12, 16 | 12. 2, 16 |

### Exercise 10: Page 38

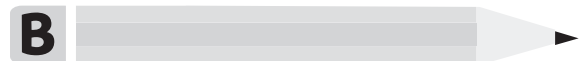
- |      |      |
|------|------|
| 1. 2 | 2. 4 |
|------|------|

- |        |        |
|--------|--------|
| 3. 20  | 4. 8   |
| 5. 7   | 6. 25  |
| 7. 14  | 8. 9   |
| 9. 13  | 10. 6  |
| 11. 24 | 12. 17 |

### Exercise 11: Page 39-42



- |        |        |
|--------|--------|
| 1. 5   | 2. 6   |
| 3. 14  | 4. 12  |
| 5. 3   | 6. 6   |
| 7. 30  | 8. 11  |
| 9. 6   | 10. 2  |
| 11. 8  | 12. 8  |
| 13. 30 | 14. 19 |
| 15. 19 | 16. 22 |
| 17. 10 | 18. 3  |

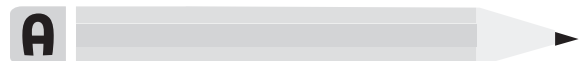


- |       |       |
|-------|-------|
| 1. 5  | 2. 6  |
| 3. 7  | 4. 7  |
| 5. 9  | 6. 10 |
| 7. 4  | 8. 2  |
| 9. 3  | 10. 7 |
| 11. 8 | 12. 6 |
| 13. 0 | 14. 9 |

### Exercise 12 : Page 43

- |         |        |
|---------|--------|
| 1. 18   | 2. 16  |
| 3. 48   | 4. 32  |
| 5. 45   | 6. 81  |
| 7. 108  | 8. 112 |
| 9. 8192 |        |

### Exercise 13: Page 44-50



1. 19, 9, 24, 20, 25 - 20, 23, 15
2. 19, 5, 22, 5, 14
3. 6, 9, 6, 20, 25 - 6, 15, 21, 18
4. 14, 9, 14, 5, 20, 25
5. 19, 9, 24, 20, 25 - 6, 15, 21, 18
6. 19, 9, 24, 20, 25 - 5, 9, 7, 8, 20
7. 5, 9, 7, 8, 20, 25
8. 20, 8, 9, 18, 20, 25 - 20, 8, 18, 15, 5
9. 6, 9, 6, 20, 25 - 19, 9, 24
10. 6, 15, 18, 20, 25 - 19, 5, 22, 5, 14
11. 19, 9, 24, 20, 25 - 20, 8, 18, 5, 5
12. 19, 5, 22, 5, 14, 20, 25 - 15, 14, 5

13. 20, 23, 5, 14, 20, 25 - 14, 9, 14, 5
14. 20, 8, 9, 18, 20, 25 - 15, 14, 5
15. 20, 23, 5, 12, 22, 5

**B**

1. h, u, n, d, r, e, d
2. n, i, n, e, t, y
3. e, i, g, h, t, y - o, n, e
4. t, h, i, r, t, y - t, w, o
5. f, o, u, r, t, e, e, n
6. e, i, g, h, t, y
7. f, i, f, t, y - f, i, v, e
8. s, e, v, e, n, t, y - o, n, e
9. f, o, r, t, y - o, n, e
10. n, i, n, e, t, e, e, n

**C**

1. s, i, x, t, y - f, o, u, r
2. s, e, v, e, n, t, y - f, o, u, r
3. s, i, x, t, y - s, i, x
4. t, w, e, n, t, y - e, i, g, h, t
5. f, o, r, t, y - t, w, o
6. t, h, i, r, t, y - s, i, x
7. e, i, g, h, t, y - e, i, g, h, t
8. e, i, g, h, t, y - f, i, v, e
9. s, e, v, e, n, t, e, e, n
10. n, i, n, e, t, y - t, h, r, e, e
11. h, u, n, d, r, e, d
12. f, i, f, t, e, e, n

**D**

1. 8, 18, 3, 7, 2 - 21, 18, 5, 22
2. 7, 19, 18, 9, 7, 2 - 7, 19, 9, 22, 22
3. 21, 18, 21, 7, 2 - 12, 13, 22
4. 13, 18, 13, 22, 7, 2 - 21, 12, 6, 9
5. 22, 18, 20, 19, 7, 2 - 22, 18, 20, 19, 7
6. 8, 18, 3, 7, 2 - 13, 18, 13, 22
7. 8, 22, 5, 22, 13, 7, 2 - 8, 18, 3

**Exercise 14: Page 51-52**

1. 17, 7, 12, 1
2. 15, 7, 6, 13, 16 - 8, 10, 1
3. 17, 8, 14, 13, 16
4. 13, 11, 1, 10, 13, 16 - 13, 4, 14, 1, 1
5. 1, 7, 5, 4, 13, 16 - 1, 7, 5, 4, 13
6. 17, 7, 17, 13, 1, 1, 10
7. 13, 4, 7, 14, 13, 16 - 13, 4, 14, 1, 1
8. 1, 7, 5, 4, 13, 16 - 17, 7, 12, 1
9. 1, 7, 5, 4, 13, 1, 1, 10
10. 17, 7, 17, 13, 16 - 8, 10, 1

11. 4, 2, 10, 9, 14, 1, 9
12. 1, 7, 5, 4, 13, 16 - 17, 7, 12, 1
13. 15, 1, 12, 1, 10, 13, 1, 1, 10
14. 13, 11, 1, 10, 13, 16 - 15, 7, 6

**Exercise 15: Page 53-56****A**

1. twenty - nine
2. sixteen
3. twelve
4. eighty - one
5. thirty - six
6. nineteen
7. fifteen
8. thirteen
9. eighty - two
10. twenty
11. forty
12. sixty - six

**B**

1. S,I,X,T,E,E,N
2. T,W,E,N,T,Y
3. N,I,N,E,T,E,E,N
4. T,W,O
5. F,I,F,T,Y - F,O,U,R
6. F,I,F,T,E,E,N
7. E,I,G,H,T,Y
8. S,I,X,T,Y - S,I,X
9. T,H,I,R,T,Y
10. E,I,G,H,T,E,E,N
11. S,E,V,E,N,T,E,E,N
12. F,I,F,T,Y - O,N,E

**Exercise 16: Page 57-59****A**

- |                   |                   |
|-------------------|-------------------|
| 1. 8, 5, 1, 20    | 2. 13, 5, 5, 20   |
| 3. 19, 15, 13, 5  | 4. 13, 15, 20, 8  |
| 5. 20, 8, 9, 14   | 6. 13, 15, 19, 20 |
| 7. 2, 5, 19, 20   | 8. 23, 8, 5, 14   |
| 9. 20, 8, 9, 19   | 10. 19, 9, 14, 7  |
| 11. 19, 20, 5, 13 | 12. 19, 15, 14, 7 |
| 13. 14, 15, 19, 5 | 14. 20, 8, 5, 14  |
| 15. 14, 5, 19, 20 |                   |

**B**

- |             |            |
|-------------|------------|
| 1. E,A,R,TH | 2. F,A,C,E |
|-------------|------------|

- |               |               |
|---------------|---------------|
| 3. R,E,S,T    | 4. S,T,A,R,E  |
| 5. H,I,G,H    | 6. B,R,O,A,D  |
| 7. M,O,S,T    | 8. D,E,A,T,H  |
| 9. T,H,R,O,W  | 10. P,A,R,T,Y |
| 11. D,R,E,A,M |               |

### Exercise 17: Page 60-61

#### A

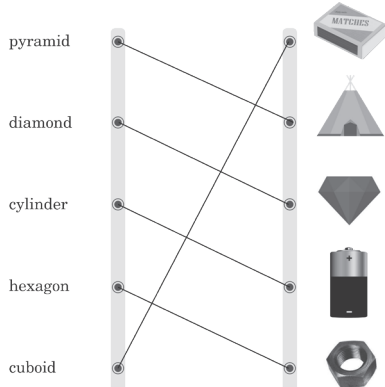
- 273, 129, 176, 764, 422
- 343, 245, 542, 444, 646
- 747, 179, 401, 438, 302
- 541, 715, 242, 346, 440
- 835, 739, 543, 248, 540
- 601, 573, 328, 812, 114
- 343, 945, 842, 244, 746
- 187, 189, 758, 234, 610
- 237, 139, 421, 392, 914
- 531, 319, 200, 718, 306

#### B

- 44, even
- 70, even
- 59, odd
- 77, odd
- 66, even
- 35, odd
- 59, odd
- 47, odd
- 94, even
- 57, odd
- 72, even

### Exercise 18: Page 62-65

#### B



#### C

diamond, hexagon, pentagon, octagon, pyramid

### Exercise 19: Page 66-72

#### B

- |           |             |
|-----------|-------------|
| 1. $1/8$  | 2. $2/9$    |
| 3. $2/4$  | 4. $1/4$    |
| 5. $4/12$ | 6. $5/12$   |
| 7. $4/8$  | 8. $4/10$   |
| 9. $1/6$  | 10. $4/7$   |
| 11. $2/8$ | 12. $10/17$ |
| 13. $2/3$ | 14. $3/8$   |
| 15. $1/2$ | 16. $6/8$   |
| 18. $5/8$ | 19. $6/10$  |

#### D

- |            |            |
|------------|------------|
| 1. $4/8$   | 2. $3/4$   |
| 3. $7/9$   | 4. $6/7$   |
| 5. $5/5$   | 6. $8/10$  |
| 7. $5/8$   | 8. $9/11$  |
| 9. $10/15$ | 10. $4/6$  |
| 11. $9/12$ | 12. $8/8$  |
| 13. $6/8$  | 14. $7/10$ |

#### E

- |            |            |
|------------|------------|
| 1. $1/7$   | 2. $1/3$   |
| 3. $5/8$   | 4. $2/9$   |
| 5. $3/5$   | 6. $12/17$ |
| 7. $1/9$   | 8. $5/12$  |
| 9. $3/6$   | 10. $4/8$  |
| 11. $4/16$ | 12. $7/10$ |
| 13. $5/9$  | 14. $2/13$ |

#### F

- |       |        |
|-------|--------|
| 1. 8  | 2. 3   |
| 3. 20 | 4. 4   |
| 5. 2  | 6. 6   |
| 7. 18 | 8. 24  |
| 9. 8  | 10. 9  |
| 11. 2 | 12. 6  |
| 13. 5 | 14. 8  |
| 15. 9 | 16. 81 |

### Exercise 20: Page 73-75

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

- |       |       |
|-------|-------|
| 13. = | 14. > |
| 15. = | 16. > |
| 17. < | 18. > |
| 19. < | 20. < |

**B**

- |       |       |
|-------|-------|
| 1. <  | 2. <  |
| 3. >  | 4. =  |
| 5. <  | 6. >  |
| 7. <  | 8. =  |
| 9. <  | 10. < |
| 11. = | 12. > |
| 13. = | 14. = |
| 15. > | 16. < |
| 17. > | 18. < |
| 19. < | 20. = |

**Exercise 21: Page 76-78**

- |         |         |
|---------|---------|
| 1. 4    | 2. 39   |
| 3. 15   | 4. 45   |
| 5. 6    | 6. 34   |
| 7. 52   | 8. 4    |
| 9. 4    | 10. 78  |
| 11. 4   | 12. 75  |
| 13. 40  | 14. 20  |
| 15. 7   | 16. 10  |
| 17. 125 | 18. 10  |
| 19. 40  | 20. 20  |
| 21. 7   | 22. 52  |
| 23. 11  | 24. 28  |
| 25. 6   | 26. 9   |
| 27. 120 | 28. 65  |
| 29. 8   | 30. 105 |
| 31. 104 | 32. 112 |
| 33. 9   | 34. 5   |
| 35. 15  | 36. 10  |
| 37. 7   | 38. 36  |
| 39. 100 | 40. 112 |
| 41. 48  | 42. 100 |
| 43. 6   | 44. 11  |
| 45. 9   |         |

**Exercise 22: Page 79-85**

- |                  |                   |
|------------------|-------------------|
| 1. 16, 16, 2, 8  | 2. 42, 42, 7, 6   |
| 3. 32, 32, 4, 8  | 4. 25, 25, 5, 5   |
| 5. 36, 36, 9, 4  | 6. 42, 42, 6, 7   |
| 7. 22, 22, 11, 2 | 8. 72, 72, 8, 9   |
| 9. 48, 48, 12, 4 | 10. 81, 81, 9, 9  |
| 11. 24, 24, 6, 4 | 12. 30, 30, 10, 3 |
| 13. 49, 49, 7, 7 | 14. 45, 45, 9, 5  |
| 15. 24, 24, 4, 6 |                   |

**B**

1. 20, 4, 5 — 20
2. 15, 5, 3 — 15
3. 32, 8, 4 — 32
4. 35, 7, 5 — 35
5. 18, 9, 2 — 18
6. 48, 8, 6 — 48
7. 30, 3, 10 — 30
8. 16, 4, 4 — 16
9. 81, 9, 9 — 81
10. 48, 6, 8 — 48
11. 55, 5, 11 — 55
12. 14, 7, 2 — 14
13. 81, 9, 9 — 81
14. 56, 7, 8 — 56
15. 36, 4, 9 — 36
16. 36, 6, 6 — 36

**C**

- |       |        |
|-------|--------|
| 1. 13 | 2. 22  |
| 3. 18 | 4. 25  |
| 5. 9  | 6. 12  |
| 7. 23 | 8. 8   |
| 9. 22 | 10. 20 |
| 11. 3 | 12. 2  |
| 13. 2 | 14. 9  |

**D**

- |        |        |
|--------|--------|
| 1. 7   | 2. 48  |
| 3. 7   | 4. 6   |
| 5. 45  | 6. 7   |
| 7. 10  | 8. 9   |
| 9. 55  | 10. 9  |
| 11. 6  | 12. 8  |
| 13. 7  | 14. 49 |
| 15. 8  | 16. 27 |
| 17. 36 | 18. 8  |
| 19. 2  | 20. 8  |
| 21. 32 | 22. 8  |

**Exercise 23: Page 86-90**

- |                       |                       |
|-----------------------|-----------------------|
| 1. $4 \times 2 = 8$   | 2. $7 \times 4 = 28$  |
| 3. $3 \times 6 = 18$  | 4. $10 \div 2 = 5$    |
| 5. $25 \div 5 = 5$    | 6. $9 \times 6 = 54$  |
| 7. $16 \div 4 = 4$    | 8. $21 \div 3 = 7$    |
| 9. $36 \div 6 = 6$    | 10. $10 \div 5 = 2$   |
| 11. $72 \div 8 = 9$   | 12. $8 \times 3 = 24$ |
| 13. $48 \div 8 = 6$   | 14. $42 \div 7 = 6$   |
| 15. $9 \times 4 = 36$ | 16. $12 \div 2 = 6$   |
| 17. $70 \div 7 = 10$  | 18. $40 \div 8 = 5$   |

19.  $4 \times 9 = 36$                       20.  $6 \times 11 = 66$   
 21.  $36 \div 6 = 6$                         22.  $10 \div 5 = 2$   
 23.  $72 \div 8 = 9$                         24.  $8 \times 4 = 32$

**B**

1. 2, 24                                      2. 4, 120  
 3. 30                                        4. 6, 18  
 5. 20, 40                                  6. 5, 100  
 7. 5, 40                                    8. 3, 24  
 9. 5, 45                                    10. 2, 42  
 11. 4, 48                                    12. 28

**C**

1.  $12 \div 3 = 4$                               2.  $30 \div 5 = 6$   
 3.  $4 \times 3 = 12$                               4.  $12 \div 6 = 2$   
 5.  $30 \div 3 = 10$                               6.  $15 \div 5 = 3$   
 7.  $10 \div 2 = 5$                               8.  $32 \div 8 = 4$

**D**

1. 5, 30                                      2. 15, 5  
 3. 18, 14                                    4. 16, 16  
 5. 20, 26                                    6. 2, 30

**Exercise 24: Page 91-96****A**

1. inches                                      2. feet  
 3. centimeter                              4. feet  
 5. kilometer                                6. inches  
 7. meter

**B**

1. milligram                                2. gram  
 3. ton                                         4. milligram  
 5. milligram                                6. kilogram  
 7. ton                                         8. milligram

**C**

1. milliliter                                2. litre  
 3. quart                                      4. litre  
 5. milliliter                                6. milliliter  
 7. milliliter

**Exercise 25: Page 97-99**

1. 31    2. Tuesday  
 3. Saturday                                4. Friday  
 5. Wednesday                              6. Sunday

7. Monday                                    8. 5  
 9. 4    10. Wednesday  
 11. 7     12. 28<sup>th</sup> July  
 13. 29<sup>th</sup> July                                14. 4<sup>th</sup> July  
 15. 8<sup>th</sup> July                                    16. Tuesday

**Practice Test 1: Page 100-102****A**

1. 396, 397, 398, 399, 400, 402, 403, 404  
 2. 845, 846, 847, 849, 850, 851, 852, 854  
 3. 682, 683, 684, 685, 686, 687, 689, 690  
 4. 577, 578, 580, 581, 582, 583, 584, 585  
 5. 713, 714, 715, 717, 718, 719, 720, 721

**B**

1. 420, 430, 435, 450  
 2. 718, 724, 730, 733  
 3. 279, 289, 399, 304  
 4. 476, 482, 846, 490

**C**

1. 90, 130, 170, 190  
 2. 121, 131, 151, 161, 181  
 3. 400, 500, 700, 800, 1000  
 4. 18, 36, 45, 63, 72  
 5. 45, 60, 90, 105, 120  
 6. 150, 250, 300, 400  
 7. 140, 150, 155, 165, 170  
 8. 65, 75, 85, 115  
 9. 24, 48, 60, 84  
 10. 60, 80, 120, 160

**B**

1. 7    2. 93  
 3. 15    4. 5  
 5. 80    6. 70

**E**

1. 364                                         2. 218  
 3. 185                                         4. 248

**Practice Test 2: Page 103-105****A**

1. 78    2. 99  
 3. 60    4. 78

- |     |     |     |     |
|-----|-----|-----|-----|
| 5.  | 84  | 6.  | 88  |
| 7.  | 105 | 8.  | 108 |
| 9.  | 77  | 10. | 52  |
| 11. | 140 | 12. | 55  |
| 13. | 77  | 14. | 60  |
| 15. | 75  | 16. | 65  |
| 17. | 120 | 18. | 28  |
| 19. | 90  | 20. | 84  |
| 21. | 112 |     |     |

**B**

- |     |    |     |    |
|-----|----|-----|----|
| 1.  | 9  | 2.  | 5  |
| 3.  | 7  | 4.  | 7  |
| 5.  | 10 | 6.  | 4  |
| 7.  | 8  | 8.  | 6. |
| 9.  | 6  | 10. | 4  |
| 11. | 8  | 12. | 7  |
| 13. | 6  | 14. | 9  |
| 15. | 6  | 16. | 2  |

**D**

- |    |            |    |            |
|----|------------|----|------------|
| 1. | 900, 30, 0 | 2. | 400, 70, 4 |
| 3. | 600, 0, 2  | 4. | 300, 10, 9 |
| 5. | 500, 70, 3 | 6. | 100, 90, 6 |
| 7. | 200, 80, 7 | 8. | 700, 40, 8 |

**Practice Test 3: Page 106-108****A**

- |    |   |    |   |
|----|---|----|---|
| 1. | a | 2. | c |
| 3. | a | 4. | d |
| 5. | a | 6. | c |
| 7. | c |    |   |

**B**

- |    |   |    |   |
|----|---|----|---|
| 1. | b | 2. | a |
| 3. | c |    |   |

**Practice test 4: Page 109-112****A**

- |     |    |     |    |
|-----|----|-----|----|
| 1.  | 5  | 2.  | 2  |
| 3.  | 19 | 4.  | 10 |
| 5.  | 3  | 6.  | 6  |
| 7.  | 20 | 8.  | 22 |
| 9.  | 11 | 10. | 12 |
| 11. | 10 | 12. | 4  |

**B**

- |     |                  |     |          |
|-----|------------------|-----|----------|
| 1.  | 24, 28, 32       | 2.  | 23, 28   |
| 3.  | 71, 69, 63       | 4.  | 33, 31   |
| 5.  | 215, 217         | 6.  | 24, 56   |
| 7.  | 19, 23, 9, 6, 11 | 8.  | 75, 150  |
| 9.  | 6, 11            | 10. | 29, 38   |
| 11. | 55, 85           | 12. | 24, 12   |
| 13. | 13, 24           | 14. | 23, 11   |
| 14. | 116, 125         | 15. | 439, 449 |
| 16. | 624, 631         | 17. | 624, 631 |

**C**

1. 6, 15, 18, 20, 25 - 19, 9, 24
2. 20, 23, 5, 14, 20, 25 - 20, 8, 18, 5, 5
3. t, h, r, e, e
4. f, o, r, t, y
5. 19, 5, 22, 5, 14, 20 - 25, 20, 23, 15

**Practice test 5: Page 113-116****A**

1. 15, 14, 6, 13, 1 - 16, 14, 10, 4, 13
2. 17, 8, 2, 7, 13, 16, 16, 5
3. 15, 16, 12, 16, 5, 13, 1 - 13, 4, 7, 16, 16
4. 13, 11, 16, 5, 13, 1 - 5, 14, 5, 16
5. 17, 14, 17, 13, 1, 15, 14, 6
6. 5, 14, 5, 16, 13, 1, 8, 5, 16

**B**

1. f, i, f, t, e, e, n
2. t, w, e, n, t, y - o, n, e
3. n, i, n, e, ty - t, w, o
4. t, h, i, r, t, y
5. f, o, r, t, y - f, i, v, e
6. s, i, x, t, y - n, i, n, e
7. f, i, f, t, y, t - h, r, e, e
8. t, w, e, n, t, y - s, e, v, e, n

**C**

- |     |               |     |            |
|-----|---------------|-----|------------|
| 2.  | 2, 3, 1, 7    | 3.  | d, r, o, p |
| 4.  | 6, 5, 5, 9    | 5.  | p, o, n, d |
| 6.  | 8, 1, 9, 4    | 7.  | h, o, r, n |
| 8.  | 7, 5, 6, 3    | 9.  | s, o, r, e |
| 10. | 8, 1, 7, 4    | 11. | r, e, a, d |
| 12. | 6, 2, 5, 5, 9 | 13. | h, o, r, n |
| 14. | 8, 5, 2, 3    | 15. | s, o, r, e |
| 16. | 6, 5, 1, 2    | 17. | h, o, p, e |
| 18. | 8, 3, 1, 7    | 19. | d, o, o, r |
| 20. | 6, 8, 5, 7, 3 | 21. | h, e, a, r |



22. 8, 5, 2, 3                      23. n, o, s, e  
24. h, e, a, d                        25. s, h, a, r, e

### Practice Test 6: Page 117-118

#### A

1. 440                                  2. 292  
3. 216                                  4. 786  
5. 810                                  6. 822  
7. 504                                  8. 930  
9. 718

#### B

1. 503                                  2. 427  
3. 247                                  4. 291  
5. 841                                  6. 239  
7. 755                                  8. 455  
9. 919

#### C

hexagon, pentagon, octagon, cube, diamond, sphere, cuboid

### Practice Test 7: Page 119-121

#### A

1. <                                      2. <  
3. =                                      4. <  
5. >                                      6. <  
7. =                                      8. <  
9. <                                      10. >  
11. =                                     12. =  
13. <                                     14. =  
15. >                                     16. >

#### B

1. 60                                      2. 66  
3. 45                                      4. 56  
5. 52                                      6. 90  
7. 48                                      8. 70  
9. 20                                      10. 99  
11. 56                                     12. 84  
13. 117                                   14. 70  
15. 75

#### C

1.  $14 - 14 \div 2 = 7$                       2.  $45 - 45 \div 5 = 9$   
3.  $55 - 55 \div 5 = 11$                     4.  $28 - 28 \div 2 = 14$   
5.  $50 - 50 \div 5 = 10$

#### D

1.  $32 \div 8, 4 - 32$                       2.  $45 \div 9, 5 - 45$   
3.  $36 \div 12, 3 - 36$

### Practice Test 8: Page 122-123

#### A

1. 28, 28                                  2. 28  
3. 16                                      4. 7  
5. 5                                        6. 36

#### B

1.  $4 \times 3 \times 3 = 36$                       2.  $5 \times 2 \times 5 = 50$   
3.  $2 \times 3 \times 4 = 24$                       4.  $3 \times 2 \times 7 = 42$

#### C

1.  $18 \div 2 = 9$                               2.  $7 \times 3 = 21$   
3.  $32 \div 4 = 8$                               4.  $12 \times 6 = 72$   
5.  $30 \div 10 = 3$                               6.  $6 \div 2 = 3$   
7.  $10 \times 2 = 20$                               8.  $5 \times 3 = 15$   
9.  $6 \times 2 = 12$                               10.  $9 \times 4 = 36$

### Practice Test 9: Page 124-125

#### A

1.  $7/6$                                       2.  $10/10$   
3.  $18/15$                                     4.  $15/15$   
5.  $13/13$

#### B

1.  $2/10$                                       2.  $5/6$   
3.  $2/15$                                       4.  $4/9$

#### C

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

#### D

1.  $1 \times 5 = 3 = 8/5$                       2.  $2 \times 9 + 7 = 25/9$   
3.  $2 \times 4 + 4 = 12/4$                       4.  $3 \times 5 + 8 = 23/5$   
5.  $5 \times 5 + 3 = 28/5$                       6.  $3 \times 10 + 6 = 36/10$

**Practice Test 9: Page 124-125**

- |     |             |     |            |
|-----|-------------|-----|------------|
| 1.  | tomato      | 2.  | tree       |
| 3.  | millilitres | 4.  | water tank |
| 5.  | kilogram    | 6.  | kilogram   |
| 7.  | kilometers  | 8.  | capacity   |
| 9.  | milligram   | 10. | metres     |
| 11. | millimetre  |     |            |