

ZETA PRIMARY

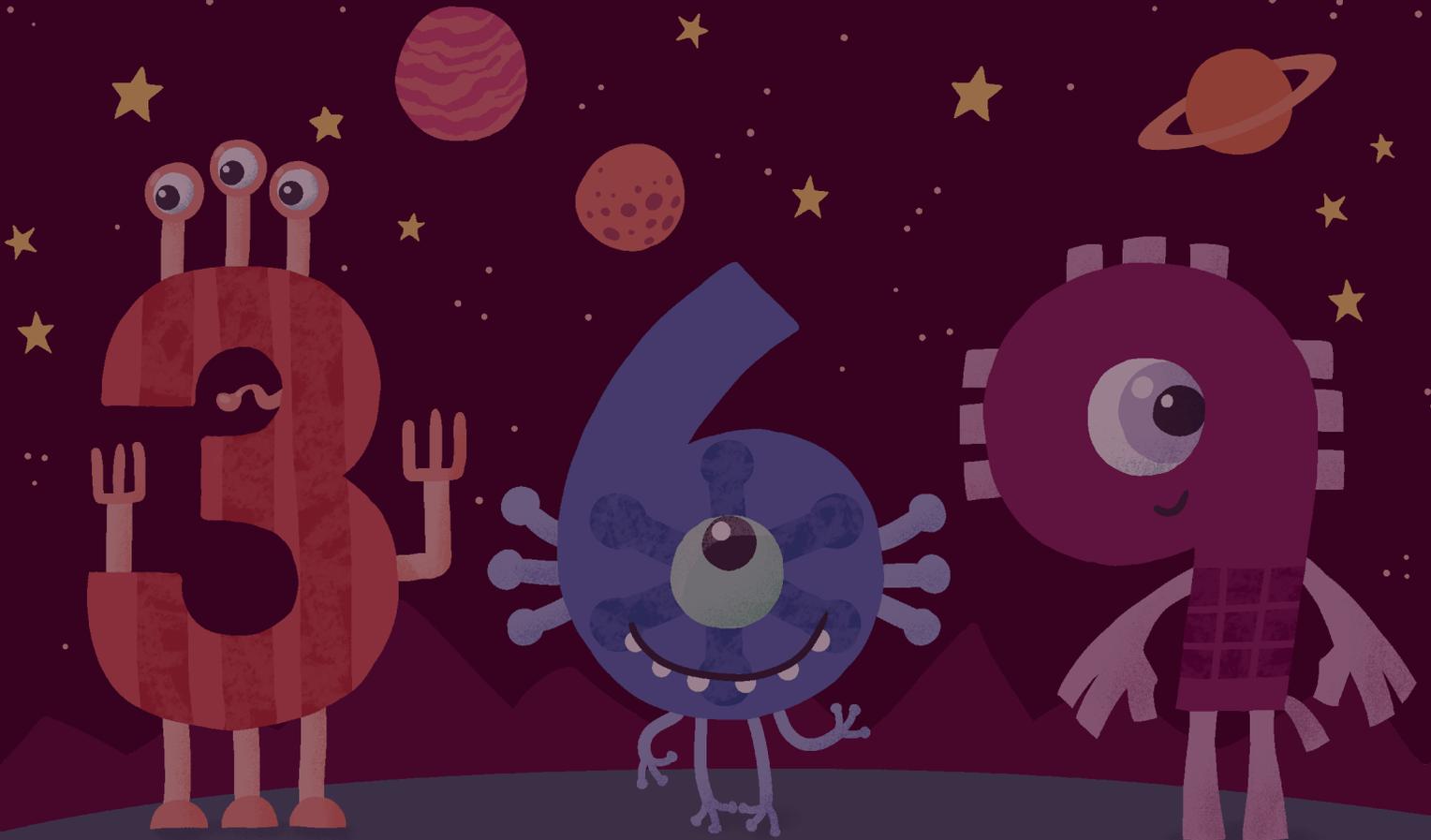
1C

# MATHS & NUMERACY

CfE First Level

TEXTBOOK

ANSWERS



# Chapter 1

## Exercise 1.1

1.  
(a) Thirty-eight (b) Fifty-four (c) Seventeen  
(d) Twenty-two (e) Seventy-six (f) Sixty-five  
(g) Nineteen (h) Ninety-three (i) Forty-one
2.  
(a) Two hundred (b) Three hundred (c) Seven hundred  
(d) Six hundred (e) Nine hundred (f) Five hundred  
(g) Eight hundred (h) One hundred (i) Four hundred
3.  
(a) Two hundred and fifty-four  
(b) Eight hundred and forty-two  
(c) Three hundred and nine  
(d) Eight hundred and fifty-six  
(e) Four hundred and thirty-seven  
(f) Seven hundred and sixty-two  
(g) One hundred and seven  
(h) One hundred and sixty-three  
(i) Eight hundred and eighty-eight

## Exercise 1.2

1.  
(a) 47 (b) 22 (c) 36 (d) 83 (e) 58  
(f) 16 (g) 91 (h) 76 (i) 64
2.  
(a) 400 (b) 200 (c) 500 (d) 700 (e) 600  
(f) 300 (g) 800 (h) 900 (i) 100
3.  
(a) 908 (b) 650 (c) 640  
(d) 460 (e) 510 (f) 870
4.  
(a) 248 (b) 708 (c) 663  
(d) 532 (e) 204 (f) 971

## Exercise 1.3A

1.  
(a) 571, 572, 573 (b) 653, 654, 655  
(c) 132, 133, 134 (d) 433, 434, 435  
(e) 902, 903, 904 (f) 558, 559, 560  
(g) 650, 651, 652 (h) 717, 718, 719  
(i) 998, 999, 1000 (j) 513, 514, 515  
(k) 692, 693, 694 (l) 303, 304, 305  
(m) 667, 668, 669 (n) 162, 163, 164  
(o) 480, 481, 482

2.  
(a) 902 (b) 792 (c) 399  
(d) 295 (e) 272 (f) 622  
(g) 800 (h) 450 (i) 681  
(j) 382 (k) 687 (l) 1000

## Exercise 1.3B

1. 724, 726, 728 2. 416, 418, 420 3. 272, 274, 276  
4. 196, 198, 200 5. 516, 518, 520 6. 774, 776, 778  
7. 226, 228, 230 8. 920, 922, 924 9. 544, 546, 548

## Exercise 1.3C

1. 130, 135, 140 2. 520, 525, 530 3. 825, 830, 835  
4. 325, 330, 335 5. 225, 230, 235 6. 685, 690, 695  
7. 265, 270, 275 8. 455, 460, 465 9. 525, 530, 535

## Exercise 1.3D

1. 330, 340, 350 2. 580, 590, 600 3. 260, 270, 280  
4. 230, 240, 250 5. 220, 230, 240 6. 800, 810, 820  
7. 690, 700, 710 8. 950, 960, 970 9. 530, 540, 550  
10. 674, 684, 694 11. 952, 962, 972 12. 268, 278, 288  
13. 481, 491, 501 14. 153, 163, 173 15. 398, 408, 418

## Exercise 1.3E

1. 600, 700, 800 2. 800, 900, 1000 3. 700, 800, 900  
4. 550, 650, 750 5. 490, 590, 690 6. 740, 840, 940  
7. 546, 646, 746 8. 411, 511, 611 9. 628, 728, 828  
10. 704, 804, 904 11. 501, 601, 701 12. 709, 809, 909  
13. 361, 461, 561 14. 423, 523, 623 15. 668, 768, 868

## Exercise 1.4A

1.  
(a) 165, 164, 163 (b) 647, 646, 645 (c) 226, 225, 224  
(d) 477, 476, 475 (e) 996, 995, 994 (f) 502, 501, 500  
(g) 314, 313, 312 (h) 885, 884, 883 (i) 930, 929, 928  
(j) 499, 498, 497 (k) 288, 287, 286 (l) 310, 309, 308  
(m) 143, 142, 141 (n) 919, 918, 917 (o) 416, 415, 414
2.  
(a) 910 (b) 330 (c) 997 (d) 223  
(e) 200 (f) 670 (g) 998 (h) 199  
(i) 681 (j) 299 (k) 875 (l) 999

## Exercise 1.4B

1. 912, 910, 908 2. 294, 292, 290 3. 620, 618, 616  
4. 484, 482, 480 5. 504, 502, 500 6. 662, 660, 598  
7. 214, 212, 210 8. 898, 896, 894 9. 592, 590, 588

## Exercise 1.4C

1. 100, 95, 90 2. 590, 585, 580 3. 795, 790, 785  
4. 780, 775, 770 5. 255, 250, 245 6. 605, 600, 595  
7. 235, 230, 225 8. 975, 970, 965 9. 535, 530, 525

### Exercise 1.4D

1. 310, 300, 290   2. 520, 510, 500   3. 670, 660, 650  
4. 240, 230, 220   5. 160, 150, 140   6. 680, 670, 660  
7. 630, 620, 610   8. 890, 880, 870   9. 470, 460, 450  
10. 654, 644, 634   11. 872, 862, 852   12. 208, 198, 188  
13. 371, 361, 351   14. 93, 83, 73   15. 748, 738, 728

### Exercise 1.4E

1. 500, 400, 300   2. 600, 500, 400   3. 300, 200, 100  
4. 650, 550, 450   5. 590, 490, 390   6. 740, 640, 540  
7. 436, 336, 236   8. 582, 482, 382   9. 608, 508, 408  
10. 404, 304, 204   11. 701, 601, 501   12. 509, 409, 309  
13. 310, 210, 110   14. 433, 333, 233   15. 668, 568, 468

### Exercise 1.5

1.  
(a) 163, 293, 340, 568   (b) 219, 650, 905, 988  
(c) 124, 385, 621, 904   (d) 209, 499, 783, 893  
(e) 590, 901, 996, 997   (f) 100, 483, 770, 888  
(g) 222, 460, 670, 777   (h) 195, 468, 860, 994  
(i) 166, 400, 886, 999
2.  
(a) 680, 593, 190, 176   (b) 865, 299, 249, 119  
(c) 779, 414, 353, 290   (d) 533, 433, 363, 219  
(e) 986, 800, 785, 774   (f) 973, 695, 692, 227  
(g) 966, 700, 544, 190   (h) 990, 890, 705, 560  
(i) 999, 551, 342, 145

### Exercise 1.6A

1. 436   2. 617   3. 588   4. 294  
5. 167   6. 350   7. 601   8. 308  
9. 999   10. 850   11. 402   12. 500

### Exercise 1.6B

1.  $200 + 90 + 9$    2.  $100 + 9$    3.  $400 + 50$   
4. 800   5.  $500 + 40 + 5$    6.  $600 + 8$   
7.  $400 + 10 + 1$    8.  $900 + 9$    9.  $800 + 80 + 7$   
10.  $600 + 20$    11.  $100 + 70 + 7$    12. 1000

### Exercise 1.6C

1. 9   2. 700   3. 400   4. 70  
5. 5   6. 5   7. 60   8. 900  
9. 7   10. 20   11. 50   12. 100

### Exercise 1.7

- 1.1  
(a) Three hundred and ninety-four  
(b) Seven hundred and sixty-five  
(c) Eight hundred and ninety

1.2

- (a) 161   (b) 653   (c) 896   (d) 201

1.3A

- (a) 661, 662, 663   (b) 403, 404, 405   (c) 221, 222, 223

1.3B-E

- (a) 66, 68, 70   (b) 94, 96, 98   (c) 80, 85, 90  
(d) 60, 70, 80   (e) 107, 117, 127   (f) 512, 612, 712

1.4A

- (a) 215, 214, 213   (b) 298, 297, 296   (c) 143, 142, 141

1.4B-E

- (a) 26, 24, 22   (b) 80, 78, 76   (c) 85, 80, 75  
(d) 40, 30, 20   (e) 55, 45, 35   (f) 357, 257, 157

1.5A

- (a) 102, 128, 576, 654   (b) 65, 207, 856, 905  
(c) 121, 122, 211, 212

1.5B

- (a) 927, 873, 574, 57   (b) 777, 754, 475, 157  
(c) 332, 323, 233, 232

1.6A

- (a) 219   (b) 402   (c) 890

1.6B

- (a)  $600 + 80 + 7$    (b)  $900 + 40$    (c)  $800 + 2$

1.6C

- (a) 50   (b) 200   (c) 5

## Chapter 2

### Exercise 2.1

1. 510   2. 650   3. 650   4. 400  
5. 170   6. 780   7. 340   8. 610  
9. 370   10. 50   11. 530   12. 390  
13. 900   14. 900   15. 790   16. 1000

### Exercise 2.2

1. 400   2. 500   3. 700   4. 800  
5. 200   6. 800   7. 700   8. 900  
9. 600   10. 0   11. 200   12. 700  
13. 700   14. 900   15. 800   16. 1000

### Exercise 2.3A

1.  
(a)  $40 + 50 = 90$    (b)  $20 + 50 = 70$   
(c)  $70 + 20 = 90$    (d)  $30 + 70 = 100$   
(e)  $10 + 70 = 80$    (f)  $50 + 40 = 90$   
(g)  $50 + 50 = 100$    (h)  $10 + 90 = 100$   
(i)  $30 + 40 = 70$    (j)  $50 + 50 = 100$   
(k)  $10 + 80 = 90$    (l)  $30 + 60 = 90$

2.

(a)  $70 - 50 = 20$

(c)  $70 - 20 = 50$

(e)  $90 - 70 = 20$

(g)  $50 - 50 = 0$

(i)  $80 - 40 = 40$

(k)  $90 - 80 = 10$

(b)  $90 - 50 = 40$

(d)  $70 - 70 = 0$

(f)  $50 - 40 = 10$

(h)  $100 - 90 = 10$

(j)  $90 - 50 = 40$

(l)  $90 - 60 = 30$

### Exercise 2.3B

1.

(a)  $400 + 500 = 900$

(c)  $800 + 100 = 900$

(e)  $100 + 600 = 700$

(g)  $500 + 500 = 1000$

(i)  $300 + 400 = 700$

(k)  $100 + 800 = 900$

(b)  $800 + 400 = 1200$

(d)  $300 + 600 = 900$

(f)  $500 + 400 = 900$

(h)  $800 + 100 = 900$

(j)  $500 + 100 = 600$

(l)  $200 + 600 = 800$

2.

(a)  $400 - 100 = 300$

(c)  $700 - 200 = 500$

(e)  $400 - 300 = 100$

(g)  $900 - 500 = 400$

(i)  $900 - 800 = 100$

(k)  $700 - 500 = 200$

(b)  $200 - 200 = 0$

(d)  $300 - 100 = 200$

(f)  $500 - 400 = 100$

(h)  $800 - 600 = 200$

(j)  $800 - 500 = 300$

(l)  $300 - 100 = 200$

### Exercise 2.4

2.1

(a) 20

(b) 40

(c) 50

(d) 700

(e) 170

(f) 1000

2.2

(a) 0

(b) 100

(c) 100

(d) 200

(e) 600

(f) 800

2.3A

(a)  $20 + 50 = 70$

(b)  $60 + 10 = 70$

(c)  $70 + 30 = 100$

(d)  $90 - 70 = 20$

(e)  $90 - 20 = 70$

(f)  $70 - 30 = 40$

2.3B

(a)  $200 + 400 = 600$

(c)  $700 + 200 = 900$

(e)  $800 - 300 = 500$

(b)  $300 + 500 = 800$

(d)  $900 - 600 = 300$

(f)  $700 - 300 = 400$

## Chapter 3

### Exercise 3.1

1.

(a)  $30 + 10 = 40$

(c)  $30 + 40 = 70$

(e)  $18 + 9 = 27$

(g)  $32 + 30 = 62$

(b)  $40 + 20 = 60$

(d)  $42 + 13 = 55$

(f)  $25 + 7 = 32$

(h)  $68 + 7 = 75$

(i)  $36 + 21 = 57$

(k)  $40 + 41 = 81$

2.

(a)  $20 + 25 = 45$

(c)  $18 + 12 = 30$

(e)  $56 + 4 = 60$

(g)  $70 + 30 = 100$

(i)  $71 + 9 = 80$

(k)  $75 + 25 = 100$

(m)  $40 + 40 = 80$

(o)  $44 + 44 = 88$

### Exercise 3.2A

1.

(a) 29

(b) 39

(c) 99

(d) 93

(e) 79

(f) 85

(g) 75

(h) 67

(i) 88

(j) 99

(k) 86

(l) 100

(m) 96

(n) 96

(o) 96

2.

(a) 37

(b) 60

(c) 81

(d) 82

(e) 91

(f) 96

(g) 85

(h) 81

(i) 91

(j) 105

(k) 111

(l) 93

(m) 94

(n) 102

(o) 111

### Exercise 3.2B

1.

(a)  $20 - 18 = 2$

(c)  $45 - 13 = 32$

(e)  $60 - 35 = 25$

(g)  $29 - 18 = 11$

(i)  $67 - 54 = 13$

(k)  $88 - 43 = 45$

(m)  $65 - 31 = 34$

(o)  $56 - 13 = 43$

(b)  $30 - 19 = 11$

(d)  $50 - 24 = 26$

(f)  $70 - 46 = 24$

(h)  $45 - 33 = 12$

(j)  $78 - 28 = 50$

(l)  $99 - 58 = 41$

(n)  $85 - 52 = 33$

2.

(a)  $55 - 48 = 7$

(c)  $23 - 16 = 7$

(e)  $66 - 38 = 28$

(g)  $86 - 27 = 59$

(i)  $48 - 19 = 29$

(k)  $98 - 39 = 59$

(m)  $62 - 53 = 9$

(o)  $53 - 46 = 7$

(b)  $34 - 15 = 19$

(d)  $47 - 29 = 18$

(f)  $72 - 44 = 28$

(h)  $52 - 29 = 23$

(j)  $53 - 25 = 28$

(l)  $64 - 48 = 16$

(n)  $95 - 26 = 69$

### Exercise 3.3A

1.

(a)  $177 + 12 = 189$

(c)  $386 + 61 = 347$

(e)  $560 + 23 = 583$

(g)  $210 + 54 = 264$

(b)  $250 + 14 = 264$

(d)  $404 + 53 = 457$

(f)  $651 + 70 = 721$

(h)  $434 + 23 = 457$

(i)  $732 + 65 = 797$

(k)  $434 + 43 = 477$

2.

(a)  $567 + 102 = 669$

(c)  $446 + 321 = 767$

(e)  $300 + 253 = 553$

(g)  $280 + 654 = 934$

(i)  $555 + 325 = 880$

(k)  $554 + 234 = 788$

(j)  $808 + 11 = 819$

(l)  $719 + 71 = 790$

(b)  $280 + 141 = 421$

(d)  $334 + 513 = 847$

(f)  $781 + 140 = 921$

(h)  $334 + 123 = 457$

(j)  $478 + 111 = 589$

(l)  $701 + 231 = 932$

### Exercise 3.3B

1.

(a) 79 (b) 114 (c) 97 (d) 106

(e) 103 (f) 90 (g) 108 (h) 88

(i) 117 (j) 119 (k) 127 (l) 78

2.

(a) 319 (b) 921 (c) 662 (d) 543

(e) 398 (f) 661 (g) 1004 (h) 967

(i) 885 (j) 922 (k) 704 (l) 552

### Exercise 3.4A

1.

(a) 220 (b) 380 (c) 422 (d) 530 (e) 631

(f) 702 (g) 261 (h) 402 (i) 603 (j) 710

(k) 821 (l) 901 (m) 604 (n) 813 (o) 504

2.

(a) 104 (b) 211 (c) 105 (d) 262 (e) 311

(f) 301 (g) 174 (h) 360 (i) 303 (j) 302

(k) 624 (l) 222 (m) 182 (n) 705 (o) 112

### Exercise 3.4B

1.

(a) 11 (b) 10 (c) 12 (d) 8

(e) 1 (f) 22 (g) 18 (h) 39

(i) 39 (j) 29 (k) 74 (l) 47

2.

(a) 112 (b) 251 (c) 185 (d) 802

(e) 651 (f) 41 (g) 84 (h) 336

(i) 93 (j) 542 (k) 14 (l) 372

### Exercise 3.5A

1.

(a) 140 (b) 350 (c) 370 (d) 270

(e) 180 (f) 450 (g) 350 (h) 300

2.

(a) 530 (b) 660 (c) 890 (d) 370 (e) 620

(f) 650 (g) 400 (h) 770 (i) 740 (j) 880

(k) 940 (l) 540 (m) 570 (n) 910 (o) 690

### Exercise 3.5B

1.

(a) 300 (b) 400 (c) 400 (d) 320

(e) 360 (f) 510 (g) 420 (h) 440

2.

(a) 600 (b) 700 (c) 1000 (d) 410 (e) 760

(f) 880 (g) 550 (h) 480 (i) 890 (j) 410

(k) 930 (l) 910 (m) 741 (n) 994 (o) 983

### Exercise 3.6A

1.

(a) 230 (b) 170 (c) 410 (d) 340

(e) 420 (f) 210 (g) 330 (h) 100

2.

(a) 650 (b) 190 (c) 880 (d) 180 (e) 340

(f) 880 (g) 220 (h) 620 (i) 700 (j) 880

(k) 990 (l) 700 (m) 490 (n) 780 (o) 900

### Exercise 3.6B

1.

(a) 100 (b) 300 (c) 320 (d) 250

(e) 260 (f) 50 (g) 210 (h) 90

2.

(a) 500 (b) 100 (c) 700 (d) 0 (e) 100

(f) 500 (g) 150 (h) 460 (i) 450 (j) 510

(k) 500 (l) 240 (m) 494 (n) 388 (o) 791

### Exercise 3.7

3.1A

(a)  $15 + 15 = 30$  (b)  $82 + 18 = 100$  (c)  $19 + 31 = 50$

3.2A

(a) 47 (b) 88 (c) 80

3.2B

(a) 11 (b) 9 (c) 14

3.3A

(a) 879 (b) 721 (c) 542

3.4A

(a) 107 (b) 254 (c) 562

3.5A

(a) 660 (b) 480 (c) 830

3.5B

(a) 603 (b) 930 (c) 439

3.6A

(a) 620 (b) 214 (c) 840

3.6B

(a) 560 (b) 255 (c) 308

# Chapter 4

## Exercise 4.1A

- (a) 10, 12, 14      (b) 16, 18, 20      (c) 34, 36, 38  
 (d) 66, 68, 70      (e) 53, 55, 57      (f) 79, 81, 83
- (a) 12, 15, 18      (b) 45, 48, 51      (c) 60, 63, 66  
 (d) 36, 39, 42      (e) 74, 77, 80      (f) 91, 94, 97
- (a) 20, 24, 28      (b) 44, 48, 52      (c) 66, 70, 74  
 (d) 80, 84, 88      (e) 55, 59, 63      (f) 87, 91, 95
- (a) 5, 10, 15      (b) 75, 80, 85      (c) 60, 65, 70  
 (d) 40, 45, 50      (e) 47, 52, 57      (f) 52, 57, 62
- (a) 70, 80, 90      (b) 100, 110, 120      (c) 30, 40, 50  
 (d) 42, 52, 62      (e) 71, 81, 91      (f) 53, 63, 73
- (a) 100, 200, 300      (b) 200, 300, 400  
 (c) 700, 800, 900      (d) 550, 650, 750  
 (e) 730, 830, 930      (f) 520, 620, 720

## Exercise 4.1B

- (a) 30, 28, 26      (b) 42, 40, 38      (c) 66, 64, 62  
 (d) 54, 52, 50      (e) 55, 53, 51      (f) 39, 37, 35
- (a) 18, 15, 12      (b) 63, 60, 57      (c) 42, 39, 36  
 (d) 81, 78, 75      (e) 64, 61, 58      (f) 49, 46, 43
- (a) 36, 32, 28      (b) 60, 56, 52      (c) 80, 76, 72  
 (d) 26, 22, 18      (e) 37, 33, 29      (f) 59, 55, 51
- (a) 40, 35, 30      (b) 65, 60, 55      (c) 95, 90, 85  
 (d) 48, 43, 38      (e) 36, 31, 26      (f) 67, 62, 57
- (a) 90, 80, 70      (b) 70, 60, 50      (c) 40, 30, 20  
 (d) 62, 52, 42      (e) 75, 65, 55      (f) 57, 47, 37
- (a) 700, 600, 500      (b) 900, 800, 700  
 (c) 500, 400, 300      (d) 850, 750, 650  
 (e) 680, 580, 480      (f) 470, 370, 270

## Exercise 4.1C

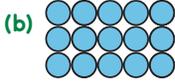
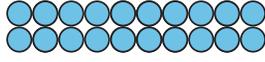
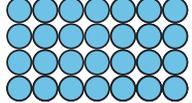
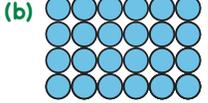
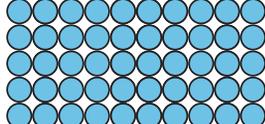
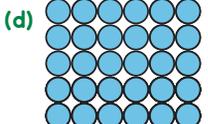
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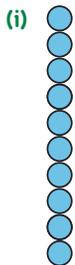
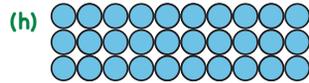
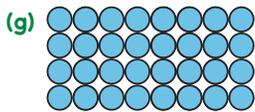
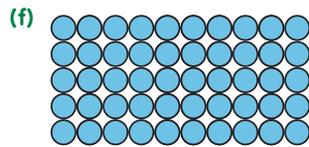
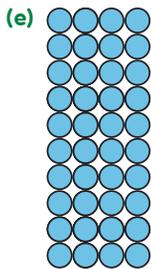
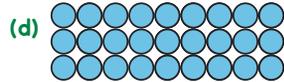
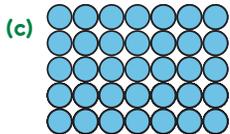
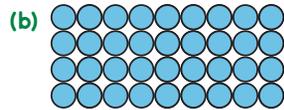
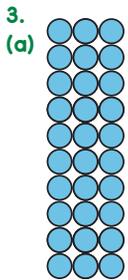
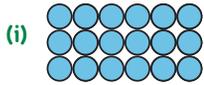
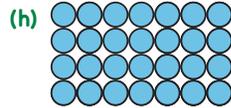
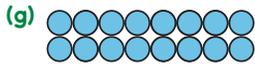
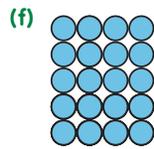
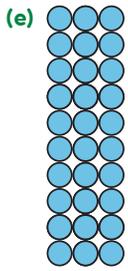
- (a) 5      (b) 3      (c) 10  
 (d) 2      (e) 100      (f) 4
- (a) 10      (b) 4      (c) 5  
 (d) 3      (e) 5      (f) 100
- (a) 5      (b) 4      (c) 10  
 (d) 100      (e) 3      (f) 2

## Exercise 4.2

- (a) 3 rows of 4      (b) 4 rows of 5      (c) 2 rows of 7  
 (d) 2 rows of 10      (e) 3 rows of 4      (f) 5 rows of 8  
 (g) 2 rows of 2      (h) 3 rows of 10      (i) 4 rows of 4
- (a) 2 rows of 7      (b) 3 rows of 8      (c) 4 rows of 5  
 (d) 4 rows of 7      (e) 1 row of 9      (f) 3 rows of 6  
 (g) 4 rows of 7      (h) 3 rows of 3      (i) 1 row of 5
- (a) 7 rows of 2      (b) 7 rows of 10      (c) 10 rows of 6  
 (d) 4 rows of 10      (e) 1 row of 5      (f) 3 rows of 8  
 (g) 2 rows of 8      (h) 2 rows of 6      (i) 2 rows of 10

## Exercise 4.3

- (a)       (b)       (c)       (d)       (e)       (f)       (g)       (h)       (i) 
- (a)       (b)       (c)       (d) 



### Exercise 4.4A

1.  
(a) 12                      (b) 10                      (c) 20  
(d) 16                      (e) 30                      (f) 21  
(g) 8                        (h) 40                      (i) 8

2.  
(a) 30                      (b) 28                      (c) 45  
(d) 30                      (e) 40                      (f) 16  
(g) 18                      (h) 24                      (i) 40

### Exercise 4.4B

1.  
(a) 10                      (b) 25                      (c) 30  
(d) 12                      (e) 12                      (f) 30  
(g) 21                      (h) 45                      (i) 70
2.  
(a) 24                      (b) 35                      (c) 27  
(d) 8                        (e) 15                      (f) 60  
(g) 8                        (h) 36                      (i) 35
3.  
(a) 40                      (b) 20                      (c) 20  
(d) 28                      (e) 8                        (f) 8  
(g) 27                      (h) 16                      (i) 25

### Exercise 4.4C

1.  
(a) 30                      (b) 75                      (c) 42  
(d) 56                      (e) 72                      (f) 80  
(g) 51                      (h) 38                      (i) 170
2.  
(a) 48                      (b) 45                      (c) 54  
(d) 39                      (e) 56                      (f) 95  
(g) 85                      (h) 76                      (i) 36
3.  
(a) 90                      (b) 48                      (c) 70  
(d) 34                      (e) 60                      (f) 32  
(g) 45                      (h) 180                      (i) 57

### Exercise 4.4D

1.  
(a) 46                      (b) 88                      (c) 48                      (d) 86  
(e) 93                      (f) 84                      (g) 55                      (h) 28
2.  
(a) 124                      (b) 204                      (c) 205                      (d) 150  
(e) 244                      (f) 164                      (g) 189                      (h) 355
3.  
(a) 72                      (b) 80                      (c) 78                      (d) 85  
(e) 96                      (f) 70                      (g) 60                      (h) 95
4.  
(a) 140                      (b) 325                      (c) 100                      (d) 150  
(e) 111                      (f) 256                      (g) 344                      (h) 470  
(i) 210                      (j) 134                      (k) 232                      (l) 360

## Exercise 4.5A

1.  
(a) 4            (b) 3            (c) 8            (d) 4            (e) 2  
(f) 5            (g) 5            (h) 12          (i) 4            (j) 4
2.  
(a) 9                    (b) 12                    (c) 6  
(d) 12                    (e) 8                    (f) 6

## Exercise 4.5B

1.  
(a) 7                    (b) 3                    (c) 12  
(d) 15                    (e) 3                    (f) 9  
(g) 7                    (h) 13                    (i) 10
2.  
(a) 9                    (b) 7                    (c) 15  
(d) 13                    (e) 4                    (f) 11  
(g) 6                    (h) 16                    (i) 6
3.  
(a) 11                    (b) 15                    (c) 14  
(d) 16                    (e) 5                    (f) 15  
(g) 11                    (h) 21                    (i) 8

## Exercise 4.5C

1.  
(a) 6                    (b) 9                    (c) 9                    (d) 17  
(e) 12                    (f) 10                    (g) 18                    (h) 6
2.  
(a) 11                    (b) 24                    (c) 17                    (d) 34  
(e) 22                    (f) 7                    (g) 46                    (h) 27
3.  
(a) 32                    (b) 29                    (c) 13                    (d) 18  
(e) 22                    (f) 17                    (g) 19                    (h) 24

## Exercise 4.6A

1.  
(a)  $2 \times 7 = 14$       (b)  $3 \times 5 = 15$       (c)  $4 \times 6 = 24$   
 $7 \times 2 = 14$        $5 \times 3 = 15$        $6 \times 4 = 24$   
 $14 \div 7 = 2$        $15 \div 5 = 3$        $24 \div 6 = 4$   
 $14 \div 2 = 7$        $15 \div 3 = 5$        $24 \div 4 = 6$
- (d)  $5 \times 6 = 30$       (e)  $2 \times 4 = 8$       (f)  $5 \times 2 = 10$   
 $6 \times 5 = 30$        $4 \times 2 = 8$        $2 \times 5 = 10$   
 $30 \div 6 = 5$        $8 \div 4 = 2$        $10 \div 2 = 5$   
 $30 \div 5 = 6$        $8 \div 2 = 4$        $10 \div 5 = 2$
- (g)  $5 \times 10 = 50$       (h)  $2 \times 8 = 16$       (i)  $3 \times 7 = 21$   
 $10 \times 5 = 50$        $8 \times 2 = 16$        $7 \times 3 = 21$   
 $50 \div 10 = 5$        $16 \div 8 = 2$        $21 \div 7 = 3$   
 $50 \div 5 = 10$        $16 \div 2 = 8$        $21 \div 3 = 7$

2.

- (a)  $2 \times 6 = 12$       (b)  $2 \times 7 = 14$       (c)  $3 \times 5 = 15$   
 $6 \times 2 = 12$        $7 \times 2 = 14$        $5 \times 3 = 15$   
 $12 \div 6 = 2$        $14 \div 7 = 2$        $15 \div 5 = 3$   
 $12 \div 2 = 6$        $14 \div 2 = 7$        $15 \div 3 = 5$
- (d)  $5 \times 4 = 20$       (e)  $3 \times 10 = 30$       (f)  $3 \times 7 = 21$   
 $4 \times 5 = 20$        $10 \times 3 = 30$        $7 \times 3 = 21$   
 $20 \div 4 = 5$        $30 \div 10 = 3$        $21 \div 7 = 3$   
 $20 \div 5 = 4$        $30 \div 3 = 10$        $21 \div 3 = 7$

3.

- (a)  $4 \times 8 = 32$       (b)  $4 \times 6 = 24$       (c)  $5 \times 8 = 40$   
 $8 \times 4 = 32$        $6 \times 4 = 24$        $8 \times 5 = 40$   
 $32 \div 8 = 4$        $24 \div 6 = 4$        $40 \div 8 = 5$   
 $32 \div 4 = 8$        $24 \div 4 = 6$        $40 \div 5 = 8$
- (d)  $4 \times 7 = 28$       (e)  $5 \times 9 = 45$       (f)  $4 \times 9 = 36$   
 $7 \times 4 = 28$        $9 \times 5 = 45$        $9 \times 4 = 36$   
 $28 \div 7 = 4$        $45 \div 9 = 5$        $36 \div 9 = 4$   
 $28 \div 4 = 7$        $45 \div 5 = 9$        $36 \div 4 = 9$
- (g)  $4 \times 10 = 40$       (h)  $3 \times 9 = 27$       (i)  $5 \times 7 = 35$   
 $10 \times 4 = 40$        $9 \times 3 = 27$        $7 \times 5 = 35$   
 $40 \div 10 = 4$        $27 \div 9 = 3$        $35 \div 7 = 5$   
 $40 \div 4 = 10$        $27 \div 3 = 9$        $35 \div 5 = 7$

## Exercise 4.6B

1.

- (a)  $5 \times 3 = 15$       (b)  $4 \times 6 = 24$       (c)  $5 \times 8 = 40$   
 $3 \times 5 = 15$        $6 \times 4 = 24$        $8 \times 5 = 40$   
 $15 \div 3 = 5$        $24 \div 6 = 4$        $40 \div 8 = 5$   
 $15 \div 5 = 3$        $24 \div 4 = 6$        $40 \div 5 = 8$
- (d)  $10 \times 6 = 60$       (e)  $4 \times 9 = 36$       (f)  $3 \times 8 = 24$   
 $6 \times 10 = 60$        $9 \times 4 = 36$        $8 \times 3 = 24$   
 $60 \div 6 = 10$        $36 \div 9 = 4$        $24 \div 8 = 3$   
 $60 \div 10 = 6$        $36 \div 4 = 9$        $24 \div 3 = 8$
- (g)  $5 \times 6 = 30$       (h)  $10 \times 8 = 80$       (i)  $3 \times 6 = 18$   
 $6 \times 5 = 30$        $8 \times 10 = 80$        $6 \times 3 = 18$   
 $30 \div 6 = 5$        $80 \div 8 = 10$        $18 \div 6 = 3$   
 $30 \div 5 = 6$        $80 \div 10 = 8$        $18 \div 3 = 6$

2.

- (a)  $4 \times 2 = 8$       (b)  $5 \times 3 = 15$       (c)  $10 \times 7 = 70$   
 $2 \times 4 = 8$        $3 \times 5 = 15$        $7 \times 10 = 70$   
 $8 \div 2 = 4$        $15 \div 3 = 5$        $70 \div 7 = 10$   
 $8 \div 4 = 2$        $15 \div 5 = 3$        $70 \div 10 = 7$

(d) $4 \times 5 = 20$	(e) $5 \times 9 = 45$	(f) $4 \times 9 = 36$
$5 \times 4 = 20$	$9 \times 5 = 45$	$9 \times 4 = 36$
$20 \div 5 = 4$	$45 \div 9 = 5$	$36 \div 9 = 4$
$20 \div 4 = 5$	$45 \div 5 = 9$	$36 \div 4 = 9$

(g) $2 \times 6 = 12$	(h) $4 \times 6 = 24$	(i) $3 \times 7 = 21$
$6 \times 2 = 12$	$6 \times 4 = 24$	$7 \times 3 = 21$
$12 \div 6 = 2$	$24 \div 6 = 4$	$21 \div 7 = 3$
$12 \div 2 = 6$	$24 \div 4 = 6$	$21 \div 3 = 7$

## Exercise 4.6B

4.1

(a) 31, 34, 37	(b) 20, 24, 28	(c) 500, 600, 700
(d) 12, 8, 4	(e) 37, 34, 31	(f) 500, 400, 300

4.2

(a) 21	(b) 4	(c) 20
--------	-------	--------

4.4B

(a) 27	(b) 4	(c) 50
(d) 24	(e) 15	(f) 18

4.4C

(a) 162	(b) 140	(c) 108
---------	---------	---------

4.4D

(a) 74	(b) 224	(c) 245
--------	---------	---------

4.5B

(a) 8	(b) 3	(c) 4
(d) 10	(e) 8	(f) 6
(g) 2	(h) 8	(i) 7

4.5C

(a) 16	(b) 27	(c) 15
--------	--------	--------

4.6A

(a) $2 \times 9 = 18$	(b) $4 \times 6 = 24$	(c) $4 \times 3 = 12$
$9 \times 2 = 18$	$6 \times 4 = 24$	$3 \times 4 = 12$
$18 \div 2 = 9$	$24 \div 6 = 4$	$12 \div 4 = 3$
$18 \div 9 = 2$	$24 \div 4 = 6$	$12 \div 3 = 4$
(h) $2 \times 8 = 16$	(i) $3 \times 7 = 21$	(g) $9 \times 10 = 90$
$8 \times 2 = 16$	$7 \times 3 = 21$	$10 \times 9 = 90$
$16 \div 8 = 2$	$21 \div 7 = 3$	$90 \div 10 = 9$
$16 \div 2 = 8$	$21 \div 3 = 7$	$90 \div 9 = 10$

## Chapter 5

### Exercise 5.1A

1.				
(a) 4	(b) 1	(c) 2	(d) 7	(e) 4
(f) 3	(g) 4	(h) 3	(i) 2	
2.				
(a) 10	(b) 5	(c) 3	(d) 2	(e) 4
(f) 10	(g) 4	(h) 10	(i) 5	

### Exercise 5.1B

- |                           |                          |
|---------------------------|--------------------------|
| 1. There are three halves | 2. There are six halves  |
| 3. There are two halves   | 4. There are four halves |
| 5. There are five halves  | 6. There is one half     |

### Exercise 5.1C

- |                             |                                |
|-----------------------------|--------------------------------|
| 1. There are two quarters   | 2. There are eight quarters    |
| 3. There are six quarters   | 4. There are six quarters      |
| 5. There are seven quarters | 6. There are thirteen quarters |

### Exercise 5.1D

- |                                |                                  |
|--------------------------------|----------------------------------|
| 1. Four thirds, $\frac{4}{3}$  | 2. Five thirds, $\frac{5}{3}$    |
| 3. Six thirds, $\frac{6}{3}$   | 4. Two thirds, $\frac{2}{3}$     |
| 5. Eight thirds, $\frac{8}{3}$ | 6. Eleven thirds, $\frac{11}{3}$ |

### Exercise 5.1E

- |                                |                                |
|--------------------------------|--------------------------------|
| 1. Two fifths, $\frac{2}{5}$   | 2. Six fifths, $\frac{6}{5}$   |
| 3. Seven fifths, $\frac{7}{5}$ | 4. Two fifths, $\frac{2}{5}$   |
| 5. Four fifths, $\frac{4}{5}$  | 6. Eight fifths, $\frac{8}{5}$ |

### Exercise 5.1F

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| 1. Five tenths, $\frac{5}{10}$      | 2. Thirteen tenths, $\frac{13}{10}$ |
| 3. Fourteen tenths, $\frac{14}{10}$ | 4. Six tenths, $\frac{6}{10}$       |
| 5. Seven tenths, $\frac{7}{10}$     | 6. Six tenths, $\frac{6}{10}$       |

### Exercise 5.2

- |                      |                      |                      |
|----------------------|----------------------|----------------------|
| 1.                   |                      |                      |
| (a) $2 \frac{1}{2}$  | (b) $3 \frac{1}{2}$  | (c) $4 \frac{1}{2}$  |
| 2.                   |                      |                      |
| (a) $6 \frac{1}{2}$  | (b) 8                | (c) 10               |
| 3.                   |                      |                      |
| (a) 5                | (b) 6                | (c) $7 \frac{1}{2}$  |
| 4.                   |                      |                      |
| (a) $3 \frac{2}{4}$  | (b) $4 \frac{1}{4}$  | (c) 5                |
| 5.                   |                      |                      |
| (a) $\frac{2}{4}$    | (b) 1                | (c) 2                |
| 6.                   |                      |                      |
| (a) $8 \frac{2}{3}$  | (b) $9 \frac{2}{3}$  | (c) $10 \frac{1}{3}$ |
| 7.                   |                      |                      |
| (a) $3 \frac{2}{3}$  | (b) 4                | (c) $6 \frac{1}{3}$  |
| 8.                   |                      |                      |
| (a) 2                | (b) $2 \frac{4}{5}$  | (c) $3 \frac{2}{5}$  |
| 9.                   |                      |                      |
| (a) $7 \frac{3}{5}$  | (b) 8                | (c) $8 \frac{3}{5}$  |
| 10.                  |                      |                      |
| (a) $8 \frac{4}{10}$ | (b) 9                | (c) $9 \frac{3}{10}$ |
| 11.                  |                      |                      |
| (a) $1 \frac{9}{10}$ | (b) $2 \frac{3}{10}$ | (c) $2 \frac{7}{10}$ |

### Exercise 5.3A

1.  
(a) Two squares coloured (b) Two squares coloured  
(c) Three squares coloured (d) Four squares coloured  
(e) Five squares coloured (f) Six squares coloured  
(g) Seven squares coloured (h) Eight squares coloured  
(i) Nine squares coloured

2.  
(a)  $\frac{1}{2}, \frac{2}{4}$  (b)  $\frac{1}{2}, \frac{2}{4}$  (c)  $\frac{1}{2}, \frac{3}{6}$   
(d)  $\frac{1}{2}, \frac{4}{8}$  (e)  $\frac{1}{2}, \frac{5}{10}$  (f)  $\frac{1}{2}, \frac{6}{12}$   
(g)  $\frac{1}{2}, \frac{7}{14}$  (h)  $\frac{1}{2}, \frac{8}{16}$  (i)  $\frac{1}{2}, \frac{9}{18}$

### Exercise 5.3B

1.  
(a) One square coloured (b) Two squares coloured  
(c) Four squares coloured

2.  
(a)  $\frac{1}{3}, \frac{2}{6}$  (b)  $\frac{1}{3}, \frac{2}{6}$  (c)  $\frac{1}{3}, \frac{4}{12}$

### Exercise 5.3C

1.  
(a) One square coloured (b) Two squares coloured  
(c) Three squares coloured

2.  
(a)  $\frac{1}{4}, \frac{2}{8}$  (b)  $\frac{1}{4}, \frac{2}{8}$  (c)  $\frac{1}{4}, \frac{3}{12}$

### Exercise 5.3D

1.  
(a) One square coloured (b) Two squares coloured  
(c) Three squares coloured

2.  
(a)  $\frac{1}{5}, \frac{2}{10}$  (b)  $\frac{1}{5}, \frac{2}{10}$  (c)  $\frac{1}{5}, \frac{3}{15}$

### Exercise 5.3E

1.  
(b) Any three squares coloured,  $\frac{6}{10}$   
(c) Any six squares coloured,  $\frac{6}{8}$   
(d) Any six squares coloured,  $\frac{6}{9}$   
(e) Any four squares coloured,  $\frac{4}{10}$   
(f) Any eight squares coloured,  $\frac{8}{10}$
2.  
(a) Any fifteen squares coloured,  $\frac{15}{20}$   
(b) Any ten squares coloured,  $\frac{10}{20}$   
(c) Any four squares coloured,  $\frac{4}{20}$   
(d) Any twenty squares coloured,  $\frac{20}{30}$   
(e) Any twenty-one squares coloured,  $\frac{21}{30}$   
(f) Any twenty-four squares coloured,  $\frac{24}{30}$

### Exercise 5.4A

1. 4      2. 3      3. 8      4. 8  
5. 8      6. 15      7. 12      8. 18

### Exercise 5.4B

2. 7      3. 6      4. 4      5. 20  
6. 3      7. 9      8. 11      9. 9  
10. 12      11. 5      12. 8

### Exercise 5.4C

2. 15      3. 10      4. 9      5. 16  
6. 14      7. 33      8. 24      9. 28  
10. 27      11. 14      12. 15

### Exercise 5.4D

1. 18      2. 15      3. 16      4. 18  
5. 32      6. 54      7. 42      8. 22  
9. 60      10. 36      11. 60      12. 30

### Exercise 5.5

- 5.1A  
(a) 3      (b) 7      (c) 1  
(d) 10      (e) 3      (f) 2

- 5.1B  
(a) Three      (b) Four      (c) Seven  
(d) Eight      (e) Sixteen

- 5.2  
(a)  $7\frac{2}{3}$       (b) 9      (c)  $9\frac{2}{3}$   
(d) 4      (e)  $4\frac{3}{5}$       (f)  $5\frac{2}{5}$

- 5.3  
(a) Any six squares coloured,  $\frac{6}{10}$   
(b) Any three squares coloured,  $\frac{3}{9}$   
(c) Any six squares coloured,  $\frac{6}{8}$

- 5.4  
(a) 3      (b) 8      (c) 10  
(d) 22      (e) 44      (f) 56

## Chapter 6

### Exercise 6.1

1.  
(a) 1p      (b) 2p      (c) 5p      (d) 10p  
(e) 20p      (f) 50p      (g) £1      (h) £2  
(i) £5      (j) £10      (k) £20
2.  
(a) 20p      (b) 1p      (c) 5p      (d) 10p  
(e) £10      (f) £1      (g) 50p      (h) £20  
(i) £2      (j) £5      (k) 20p      (l) 50p
3.  
(a) £20      (b) 20p      (c) 2p      (d) 10p  
(e) £5      (f) 1p      (g) £2      (h) 50p

- (i) £1      (j) £10      (k) 20p      (l) £5

### Exercise 6.2A

1.  
 (a) 100p      (b) 900p      (c) 800p  
 (d) 400p      (e) 600p      (f) 200p  
 (g) 700p      (h) 1000p      (i) 1100p
2.  
 (a) 1700p      (b) 4300p      (c) 9600p  
 (d) 2500p      (e) 6100p      (f) 3300p  
 (g) 3000p      (h) 10000p      (i) 20000p
3.  
 (a) 77800p      (b) 35000p      (c) 100000p

### Exercise 6.2B

1.  
 (a) £1      (b) £8      (c) £7  
 (d) £3      (e) £5      (f) £2  
 (g) £9      (h) £6      (i) £10
2.  
 (a) £20      (b) £12      (c) £35  
 (d) £22      (e) £15      (f) £21  
 (g) £40      (h) £100      (i) £200

### Exercise 6.3A

1.  
 (a) 60p      (b) 40p      (c) 90p      (d) 27p  
 (e) 61p      (f) 17p      (g) 23p      (h) 53p
2.  
 (a) 30p      (b) £1.50      (c) 16p  
 (d) 12p      (e) 61p      (f) 17p
3.  
 (a) £3.50      (b) £4.31      (c) £9.40  
 (d) £6.92      (e) £5.21      (f) £6.00  
 (g) £5.65      (h) £4.75      (i) £6.70

### Exercise 6.3B

1.  
 (a) 20p, 10p, 5p      (b) 20p, 20p  
 (c) 50p, 20p, 10p      (d) 10p, 5p  
 (e) 10p, 2p, 1p      (f) 20p, 20p, 2p, 1p  
 (g) 50p, 20p, 20p, 5p, 2p, 2p      (h) 50p, 20p, 2p, 1p  
 (i) 50p, 10p, 2p, 1p
2.  
 (a) £1, 10p      (b) £2      (c) £1, 50p  
 (d) £1, 20p, 10p      (e) £1, 20p, 20p      (f) £2, 20p  
 (g) £2, £1      (h) £2, £2      (i) £1, 50p, 10p

### Exercise 6.3C

1.  
 (a) £1, 50p      (b) £2, £1, 20p, 10p  
 (c) £2, £2, 20p      (d) £2, £2, £1, 10p  
 (e) £2, £2, 20p, 10p, 5p      (f) £1, 50p, 20p, 10p, 5p  
 (g) £2, £2, £2, 50p, 20p, 10p, 5p  
 (h) £2, £2, £2, £1, 10p, 5p      (i) £2, £1, 50p, 10p
2.  
 (a) £1, 20p      (b) £2, £2, £2, £1, 50p, 10p  
 (c) £2, £2, £1, 50p, 10p      (d) £2, £2, £1, 10p, 5p  
 (e) £2, £2, £2, £2, 50p, 20p, 20p  
 (f) £2, £1, 20p, 20p      (g) £2, £2, £2, £1, 20p, 10p  
 (h) £2, £2, £2, £2, £1, 50p, 20p, 20p, 5p  
 (i) £2, £2, 50p, 20p, 10p, 5p

### Exercise 6.3D

1.  
 (a) £2, £1, 5p, 1p      (b) £2, £2, 2p, 2p  
 (c) £2, £2, £1, 1p      (d) £2, 2p  
 (e) £2, £1, 50p, 2p, 1p      (f) £2, £2, 50p, 10p, 2p  
 (g) £1, 50p, 1p      (h) £2, 50p, 5p, 2p  
 (i) £2, £2, £1, 50p, 20p, 2p, 1p
2.  
 (a) £2, 20p, 20p, 2p, 1p      (b) £2, £2, 20p, 10p, 1p  
 (c) £2, £2, £2, £1, 20p, 5p, 2p      (d) £1, 20p, 20p, 1p  
 (e) £2, £2, £2, 5p, 2p, 2p      (f) £2, £2, £2, 2p, 1p  
 (g) £2, £2, £2, 10p, 2p  
 (h) £2, £2, £1, 50p, 20p, 10p, 2p, 2p  
 (i) £2, £2, £2, £2, 50p, 20p, 2p, 1p

### Exercise 6.4A

1.  
 (a) 130p or £1.30      (b) 150p or £1.50      (c) 120p or £1.20  
 (d) 110p or £1.10      (e) 140p or £1.40      (f) 160p or £1.60  
 (g) 185p or £1.85      (h) 155p or £1.55      (i) 105p or £1.05
2.  
 (a) 183p or £1.83      (b) 168p or £1.68      (c) 138p or £1.38  
 (d) 194p or £1.94      (e) 159p or £1.59      (f) 156p or £1.56  
 (g) 114p or £1.14      (h) 189p or £1.89      (i) 122p or £1.22
3.  
 (a) 80p or £0.80      (b) 100p or £1      (c) 20p or £0.20  
 (d) 70p or £0.70      (e) 10p or £0.10      (f) 60p or £0.60  
 (g) 90p or £0.90      (h) 30p or £0.30      (i) 40p or £0.40
4.  
 (a) 75p or £0.75      (b) 22p or £0.22      (c) 96p or £0.96  
 (d) 82p or £0.82      (e) 65p or £0.65      (f) 91p or £0.91  
 (g) 73p or £0.73      (h) 5p or £0.05      (i) 29p or £0.29

## Exercise 6.4B

1.  
(a) 450p or £4.50 (b) 420p or £4.20  
(c) 430p or £4.30 (d) 480p or £4.80  
(e) 400p or £4 (f) 300p or £3  
(g) 490p or £4.90 (h) 460p or £4.60  
(i) 410p or £4.10
2.  
(a) 250p or £2.50 (b) 80p or £0.80  
(c) 90p or £0.90 (d) 190p or £1.90  
(e) 150p or £1.50 (f) 270p or £2.70  
(g) 360p or £3.60 (h) 210p or £2.10  
(i) 320p or £3.20
3.  
(a) 95p or £0.95 (b) 275p or £2.75  
(c) 424p or £4.24 (d) 169p or £1.69  
(e) 125p or £1.25 (f) 259p or £2.59  
(g) 318p or £3.18 (h) 38p or £0.38  
(i) 343p or £3.43

## Exercise 6.4C

1.  
(a) 950p or £9.50 (b) 980p or £9.80  
(c) 992p or £9.92 (d) 940p or £9.40  
(e) 900p or £9 (f) 800p or £8  
(g) 910p or £9.10 (h) 930p or £9.30  
(i) 960p or £9.60
2.  
(a) 650p or £6.50 (b) 480p or £4.80  
(c) 20p or £0.20 (d) 790p or £7.90  
(e) 370p or £3.70 (f) 240p or £2.40  
(g) 160p or £1.60 (h) 970p or £9.70  
(i) 570p or £5.70
3.  
(a) 775p or £7.75 (b) 275p or £2.75  
(c) 925p or £9.25 (d) 665p or £6.65  
(e) 125p or £1.25 (f) 755p or £7.55  
(g) 815p or £8.15 (h) 335p or £3.35  
(i) 45p or £0.45

## Exercise 6.5

- 6.1  
(a) 10p (b) £2 (c) 5p  
(d) 1p (e) £10 (f) £20

- 6.3A  
(a) £1.31 (b) 99p (c) £3.85

- 6.3D  
(a) £2, 50p, 5p, 2p  
(b) £2, £2, £2, 20p, 20, 5p, 2p, 1p

- (c) £2, £2, £2, £2, £1, 20p, 10p, 2p, 1p  
(d) £2, £2, 50p, 5p, 2p  
(e) £2, £2, £2, 20p, 1p  
(f) £2, £2, £2, £1, 50p, 5p, 2p, 1p

## 6.4

- (a) 550p or £5.50 (b) 70p or £0.70 (c) 230p or £2.30  
(d) 255p or £2.55 (e) 370p or £3.70 (f) 955p or £9.55

## Chapter 7

### Exercise 7.1A

1.  
(a) 1 o'clock (b) 8 o'clock (c) 11 o'clock
2.  
(a) Half past 12 (b) Half past 4 (c) Half past 10

### Exercise 7.1B

1.  
(a) Quarter past 6 (b) Quarter past 1 (c) Quarter past 7
2.  
(a) Quarter to 12 (b) Quarter to 5 (c) Quarter to 1

### Exercise 7.1C

1.  
(a) 8 o'clock (b) 4 o'clock (c) 12 o'clock  
(d) Half past 11 (e) Half past 1 (f) Half past 6
2.  
(a) Quarter past 3 (b) Quarter to 7 (c) Quarter past 12  
(d) Quarter to 6 (e) Quarter past 9 (f) Quarter to 5
3.  
(a) 7:00 (b) 6:30 (c) 3:15  
(d) 11:00 (e) 9:15 (f) 4:45  
(g) 2:15 (h) 1:30 (i) 4:45

### Exercise 7.1D

1.  
(a) 11:15 (b) 9:15 (c) 4:15  
(d) 2:15 (e) 3:15 (f) 12:15
2.  
(a) 1:45 (b) 10:45 (c) 4:45  
(d) 11:45 (e) 2:45 (f) 6:45

### Exercise 7.E

1.  
(a) 3:15 (b) 2:15 (c) 10:15  
(d) 6:15 (e) 5:15 (f) 12:15  
(g) 9:15 (h) 4:15 (i) 1:15
2.  
(a) 2:45 (b) 1:45 (c) 8:45  
(d) 8:45 (e) 4:45 (f) 5:45  
(g) 6:45 (h) 9:45 (i) 12:45

## Exercise 7.2A

- (a) 0700 (b) 0400 (c) 0300 (d) 0900  
 (e) 0600 (f) 0800 (g) 0530 (h) 0930  
 (i) 1230 (j) 0130 (k) 0345 (l) 0845
- (a) 2100 (b) 2000 (c) 1700 (d) 1500  
 (e) 1400 (f) 1800 (g) 0715 (h) 1030  
 (i) 0230 (j) 0930 (k) 0645 (l) 0945
- (a) 0100 (b) 0800 (c) 2130 (d) 1545  
 (e) 1900 (f) 0645 (g) 0415 (h) 0830  
 (i) 1915 (j) 0130 (k) 2045 (l) 0345

## Exercise 7.2B

- (a) 7 am (b) 3 am (c) 6 am (d) 9 am  
 (e) 4 am (f) 2 am (g) 9:30 am (h) 8:30 am  
 (i) 4:30 am (j) 1:45 am (k) 3:45 am (l) 7:45 am
- (a) 7 pm (b) 6 pm (c) 3 pm (d) 4 pm  
 (e) 12 pm (f) 8 pm (g) 9:30 pm (h) 2:30 pm  
 (i) 10:30 pm (j) 2:45 pm (k) 7:45 pm (l) 1:45 pm
- (a) 12:15 pm (b) 5:30 pm (c) 10:45 pm (d) 2:45 pm  
 (e) 11:15 pm (f) 8:30 pm (g) 3:30 pm (h) 1 pm  
 (i) 9:15 pm (j) 08:45 am (k) 4:30 pm (l) 3:15 pm

## Exercise 7.3

- (a) 3 hours 30 minutes (b) 2 hours 15 minutes  
 (c) 1 hour 30 minutes (d) 3 hours 30 minutes  
 (e) 3 hours 30 minutes (f) 2 hours 15 minutes
- (a) 3 hours 30 minutes (b) 3 hours 15 minutes  
 (c) 1 hour 15 minutes (d) 2 hours 15 minutes  
 (e) 2 hours 15 minutes (f) 1 hour 45 minutes

Start Time	Finish Time	Duration
2:00 pm	4:30 pm	2 hours 30 minutes
6:30 am	8:15 am	1 hour 45 minutes
9:00 am	10:15 am	1 hour 15 minutes
4:00 pm	7:30 pm	3 hours 30 minutes
8:15 pm	10:30 pm	2 hours 15 minutes
10:15 am	11:30 am	1 hour 15 minutes

## Exercise 7.4A

- Thursday
- 31 days
- Sunday
- 4 days
- Saturday
- Monday
- Tuesday
- Saturday
- Monday
- 1st February

## Exercise 7.4B

- Thursday
- Seven
- Four
- February
- Thursday
- Tuesday
- April, June, September, November
- Friday
- Saturday
- Friday
- Saturday
- Tuesday
- 6th April
- 28th April

## Exercise 7.5

- (a) 09:00 (b) Four days (c) 10:30  
 (d) 15 mins (e) Monday (f) French  
 (g) 1 hr 30 mins (h) Literacy (i) 15:00
- (a) 08:50 (b) 40 mins (c) 10:20  
 (d) 20 mins (e) 13:00 (f) 12:20  
 (g) Drama (h) Music (i) 14:40

## Exercise 7.6

- 7.1A**  
 (a) 6 o'clock (b) Half past 12 (c) 9 o'clock
- 7.1B**  
 (a) Half past 8 (b) 2 o'clock (c) Half past 9
- 7.2**  
 (a) 0600 (b) 2115 (c) 1630  
 (d) 2 am (e) 10:15 pm (f) 12:15 am
- 7.3B**  
 (a) 9:15 (b) 6:15 (c) 4:15  
 (d) 1:15 (e) 2:45 (f) 7:45
- 7.4**  
 (a) 3 hours 30 minutes (b) 3 hours 30 minutes

Activity	Start Time	Finish Time	Duration
Maths	9:00 am	10:30 am	1 hour 30 minutes
French	11:00 am	11:30 am	30 minutes
Literacy	11:30 am	1:00 pm	1 hour 30 minutes
Art	1:30 pm	4:00 pm	2 hours 30 minutes

- 7.5**  
 (a) P2 (b) P1 (c) P4

## Chapter 8

### Exercise 8.1A

- (a) 20 mm (b) 50 mm (c) 10 mm (d) 40 mm  
 (e) 30 mm (f) 50 mm (g) 25 mm (h) 60 mm
- (a) 10 mm (b) 30 mm (c) 50 mm (d) 70 mm  
 (e) 110 mm (f) 120 mm (g) 140 mm

### Exercise 8.1B

1. 200 ml      2. 0 ml      3. 100 ml  
4. 500 ml      5. 300 ml      6. 400 ml

### Exercise 8.1C

1. 500 ml      2. 100 ml      3. 300 ml  
4. 500 ml      5. 100 ml      6. 300 ml  
7. 0 ml      8. 1000 ml      9. 800 ml  
10. 200 ml      11. 550 ml      12. 250 ml

### Exercise 8.1D

1.  
(a) 3 kg      (b) 7 kg      (c) 1 kg  
(d) 2 kg      (e) 8 kg      (f) 9 kg  
(g) 6 kg      (h) 0 kg      (i) 5 kg
2.  
(a) 700 g      (b) 600 g      (c) 900 g  
(d) 100 g      (e) 400 g      (f) 500 g  
(g) 300 g      (h) 800 g      (i) 200 g

### Exercise 8.2A

1. 7 cm      2. 4 cm      3. 5 cm      4. 6 cm  
5. 3 cm      6. 8 cm      7. 7 cm      8. 2 cm  
9. 17 cm      10. 14 cm

### Exercise 8.2B

1. 60 mm      2. 10 mm      3. 70 mm      4. 30 mm  
5. 50 mm      6. 90 mm      7. 20 mm      8. 80 mm  
9. 150 mm      10. 110 mm

### Exercise 8.2C

Correct lines drawn.

### Exercise 8.3

1. Answers in this question are estimates.

2.  
(a) 5 cm      (b) 4 cm      (c) 8 cm      (d) 9 cm  
(e) 1 cm      (f) 7 cm      (g) 3 cm      (h) 6 cm  
(i) 10 cm      (j) 15 cm

### Exercise 8.4A

1.  
(a) 3 square centimetres      (b) 5 square centimetres  
(c) 6 square centimetres      (d) 6 square centimetres  
(e) 6 square centimetres      (f) 7 square centimetres  
(g)  $5\frac{1}{2}$  square centimetres      (h)  $7\frac{1}{2}$  square centimetres
2.  
(a)  $8\frac{1}{2}$  square centimetres      (b) 6 square centimetres  
(c)  $8\frac{1}{2}$  square centimetres      (d)  $8\frac{1}{2}$  square centimetres

### Exercise 8.4B

Answers in this exercise will vary. Any shapes with:

1. 7 squares      2. 5 squares      3. 10 squares  
4. 8 squares      5. 16 squares      6. 20 squares  
7.  $5\frac{1}{2}$  squares      8.  $9\frac{1}{2}$  squares      9.  $12\frac{1}{2}$  squares  
10. 13 squares      11.  $18\frac{1}{2}$  squares      12.  $9\frac{1}{2}$  squares

### Exercise 8.5

#### 8.1A

- (a) 50 mm      (b) 35 mm

#### 8.1B

- (a) 400 ml      (b) 300 ml      (c) 1000 ml

#### 8.1C

- (a) 8 kg      (b) 0.5 kg

#### 8.2A

- (a) 60 mm      (b) 30 mm

#### 8.2B

Correct lines drawn.

#### 8.3

- (a) 40 mm      (b) 60 mm

#### 8.4A

- (a) 7 square centimetres      (b)  $6\frac{1}{2}$  square centimetres  
(c) 4 square centimetres      (b)  $6\frac{1}{2}$  square centimetres

#### 8.4B

Answers in this question will vary. Any shapes with:

- (a) 7 squares      (b) 10 squares      (c)  $8\frac{1}{2}$  squares

## Chapter 9

### Exercise 9.1A

1.

- (a) 96, 98, 100      (b) 42, 44, 46      (c) 72, 74, 76  
(d) 46, 48, 50      (e) 67, 69, 71      (f) 95, 97, 99  
(g) 26, 24, 22      (h) 50, 48, 46      (i) 24, 22, 20  
(j) 74, 72, 70      (k) 45, 43, 41      (l) 67, 65, 63

2.

- (a) 85, 90, 95      (b) 35, 40, 45      (c) 65, 70, 75  
(d) 55, 60, 65      (e) 25, 30, 35      (f) 45, 50, 55  
(g) 85, 80, 75      (h) 50, 45, 40      (i) 65, 60, 55  
(j) 45, 40, 35      (k) 20, 15, 10      (l) 40, 35, 30

3.

- (a) 80, 90, 100      (b) 45, 55, 65      (c) 90, 100, 110  
(d) 75, 85, 95      (e) 60, 70, 80      (f) 115, 125, 135  
(g) 60, 50, 40      (h) 45, 35, 25      (i) 55, 45, 35  
(j) 30, 20, 10      (k) 75, 65, 55      (l) 90, 80, 70

4.

- (a) 36, 39, 42      (b) 12, 15, 18      (c) 29, 32, 35

- (d) 24, 27, 30      (e) 45, 48, 51      (f) 20, 23, 26  
 (g) 11, 8, 5      (h) 12, 9, 6      (i) 21, 18, 15  
 (j) 32, 29, 26      (k) 30, 27, 24      (l) 41, 38, 35
5.  
 (a) 20, 24, 28      (b) 22, 26, 30      (c) 34, 38, 42  
 (d) 28, 32, 36      (e) 72, 76, 80      (f) 36, 40, 44  
 (g) 38, 34, 30      (h) 28, 24, 20      (i) 74, 70, 66  
 (j) 8, 4, 0      (k) 88, 84, 80      (l) 24, 20, 16

### Exercise 9.1B

1. 24      2. 80      3. 16  
 4. 40      5. 48      6. 32  
 7. 10      8. 15      9. 25

### Exercise 9.2A

1.  
 (a) 906, 908, 910      (b) 372, 374, 376  
 (c) 612, 614, 616      (d) 406, 408, 410  
 (e) 617, 619, 621      (f) 896, 898, 900  
 (g) 126, 124, 122      (h) 554, 552, 550  
 (i) 294, 292, 290      (j) 794, 792, 790  
 (k) 505, 503, 501      (l) 697, 695, 693
2.  
 (a) 715, 720, 725      (b) 215, 220, 225  
 (c) 575, 580, 585      (d) 420, 425, 430  
 (e) 205, 210, 215      (f) 340, 345, 350  
 (g) 95, 90, 85      (h) 590, 585, 580  
 (i) 785, 780, 775      (j) 650, 645, 640  
 (k) 300, 295, 290      (l) 535, 530, 525
3.  
 (a) 530, 540, 550      (b) 135, 145, 155  
 (c) 695, 705, 715      (d) 485, 495, 505  
 (e) 330, 340, 350      (f) 835, 845, 855  
 (g) 870, 860, 850      (h) 725, 715, 705  
 (i) 785, 775, 765      (j) 570, 560, 550  
 (k) 475, 465, 455      (l) 270, 260, 250
4.  
 (a) 230, 233, 236      (b) 309, 312, 315  
 (c) 239, 242, 245      (d) 159, 162, 165  
 (e) 369, 372, 375      (f) 130, 133, 136  
 (g) 212, 209, 206      (h) 291, 288, 285  
 (i) 351, 348, 345      (j) 421, 418, 415  
 (k) 381, 378, 375      (l) 491, 488, 485
5.  
 (a) 812, 816, 820      (b) 116, 120, 124  
 (c) 232, 236, 240      (d) 172, 176, 180  
 (e) 612, 616, 620      (f) 252, 256, 260

- (g) 488, 484, 480      (h) 388, 384, 380  
 (i) 848, 844, 840      (j) 228, 224, 220  
 (k) 108, 104, 100      (l) 328, 324, 320

### Exercise 9.2B

1. 240      2. 800      3. 400  
 4. 125      5. 750      6. 50

### Exercise 9.3

1.  
 (a) 140, 150, **160**, **170**, 180  
 (b) 302, **304**, 306, **308**, 310, **312**  
 (c) 520, 524, **528**, 532, **536**      (d) 655, **660**, 665, 670, **675**  
 (e) 221, 224, **227**, 230, **233**      (f) 735, 745, **755**, 765, **775**  
 (g) 180, **184**, 188, **192**, 196      (h) 5, 10, 20, **40**  
 (i) 30, 60, 120, **240**
2.  
 (a) 248, 246, **244**, 242, **240**  
 (b) 600, **590**, 580, **570**, 560, **550**  
 (c) 330, 327, **324**, 321, **318**      (d) 332, 328, **324**, 320, **316**  
 (e) 205, 200, **195**, 190, **185**      (f) 275, 265, **255**, 245, **235**  
 (g) 810, 808, **806**, **804**, 802      (h) 1000, 500, **250**, 125  
 (i) 400, 200, **100**, 50, **25**

### Exercise 9.4

#### 9.1A

- (a) 24, 26, 28      (b) 74, 72, 70      (c) 85, 80, 75  
 (d) 55, 45, 35      (e) 52, 56, 60      (f) 21, 18, 15  
 (g) 24, 20, 16      (h) 50, 55, 60      (i) 29, 32, 35

#### 9.1B

- (a) 80      (b) 10

#### 9.2A

- (a) 174, 172, 170      (b) 370, 360, 350      (c) 516, 520, 524  
 (d) 451, 448, 445      (e) 620, 625, 630      (f) 145, 140, 135  
 (g) 236, 239, 242      (h) 320, 310, 300      (i) 396, 394, 392

#### 9.2B

- (a) 600      (b) 125

#### 9.3

- (a) 204, 206, **208**, **210**, 212  
 (b) 300, **310**, 320, **330**, 340, **350**  
 (c) 400, 397, **394**, 391, **388**  
 (d) 605, 610, **615**, 620, **625**  
 (e) 888, 890, **892**, 894, **896**  
 (f) 550, 545, **540**, 535, **530**

## Chapter 10

### Exercise 10.1A

1.  $89 < 90$    2.  $56 > 54$    3.  $67 < 88$    4.  $98 > 77$   
 5.  $21 < 44$    6.  $34 < 66$    7.  $15 < 17$    8.  $92 > 91$   
 9.  $60 < 76$    10.  $33 > 30$    11.  $25 < 52$    12.  $84 < 100$

### Exercise 10.1B

1.  $55 + 10 = 65$    2.  $40 + 5 = 45$    3.  $53 - 10 \neq 40$   
 4.  $19 + 10 \neq 28$    5.  $50 = 52 - 2$    6.  $77 = 70 + 7$   
 7.  $65 + 5 = 60 + 10$    8.  $51 + 2 \neq 57$   
 9.  $94 - 2 \neq 91$    10.  $92 = 90 + 2$    11.  $78 + 10 = 88$   
 12.  $17 - 2 = 10 + 5$

### Exercise 10.2A

1.  $23 + 7 = 30$    2.  $58 - 10 = 48$    3.  $30 + 30 = 60$   
 4.  $66 - 12 = 54$    5.  $49 = 50 - 1$    6.  $67 = 30 + 37$   
 7.  $42 + 8 = 50$    8.  $70 - 15 = 55$    9.  $30 + 0 = 30$   
 10.  $90 - 15 = 75$    11.  $100 = 86 + 14$    12.  $53 = 68 - 15$   
 13.  $90 = 80 + 10$    14.  $68 + 2 = 70$    15.  $58 - 5 = 53$

### Exercise 10.2B

1.  $5 \times 2 = 10$    2.  $2 \times 9 = 18$    3.  $3 \times 10 = 30$   
 4.  $4 \times 8 = 32$    5.  $21 = 3 \times 7$    6.  $36 = 4 \times 9$   
 7.  $5 \times 10 = 50$    8.  $5 \times 5 = 25$    9.  $2 \times 3 = 6$   
 10.  $3 \times 5 = 15$    11.  $28 = 4 \times 7$    12.  $16 = 2 \times 8$   
 13.  $10 = 5 \times 2$    14.  $3 \times 9 = 27$    15.  $5 \times 9 = 45$

### Exercise 10.2C

1.  $53 + 7 = 60$    2.  $87 - 10 = 77$    3.  $90 = 20 + 70$   
 4.  $30 - 15 = 15$    5.  $50 = 25 + 25$    6.  $7 = 100 - 93$

### Exercise 10.2D

1.  $4 \times 7 = 28$    2.  $5 \times 3 = 15$    3.  $40 = 10 \times 4$   
 4.  $3 \times 6 = 18$    5.  $28 = 4 \times 7$    6.  $16 = 4 \times 4$

### Exercise 10.3

#### 10.1A

- (a)  $27 < 33$    (b)  $65 > 24$    (c)  $76 < 83$

#### 10.1B

- (a)  $33 + 7 = 40$    (b)  $45 + 4 \neq 51$    (c)  $77 - 5 \neq 62$

#### 10.2A

- (a)  $54 + 5 = 59$    (b)  $72 - 7 = 65$    (c)  $47 + 9 = 56$

#### 10.2B

- (a)  $4 \times 10 = 40$    (b)  $5 \times 7 = 35$    (c)  $4 \times 8 = 32$

#### 10.2C

- (a)  $78 + 4 = 82$    (b)  $64 - 9 = 55$    (c)  $73 = 69 + 4$

#### 10.2D

- (a)  $3 \times 7 = 21$    (b)  $4 \times 3 = 12$    (c)  $20 = 4 \times 5$

## Chapter 11

### Exercise 11.1A

1.

Shape	Name	Number of sides	Number of corners
	Triangle	3	3
	Square	4	4
	Rectangle	4	4
	Pentagon	5	5
	Hexagon	6	6
	Heptagon	7	7
	Octagon	8	8
	Circle	1	0

2.

Shape	Name	Number of sides	Number of corners
	Rectangle	4	4
	Pentagon	5	5
	Hexagon	6	6
	Square	4	4
	Heptagon	7	7
	Circle	1	0
	Octagon	8	8
	Triangle	3	3

### Exercise 11.1B

1. Pentagon   2. Circle   3. Hexagon  
 4. Pentagon   5. Heptagon   6. Circle  
 7. Octagon   8. Square   9. Triangle  
 10. Hexagon

### Exercise 11.2A

1. Smaller   2. Larger   3. Larger  
 4. Right-angles   5. Right-angles   6. Larger  
 7. Larger   8. Smaller   9. Right-angles

### Exercise 11.2B

1. Yes
2. Yes
3. Yes
4. Yes
5. Yes
6. No
7. No
8. No
9. Yes

### Exercise 11.3A

Answers in this exercise will vary.

### Exercise 11.3B

1. Will tile
2. Will tile
3. Will tile
4. Will tile
5. Will tile
6. Will not tile
7. Will not tile
8. Will tile
9. Will not tile
10. Will not tile
11. Will not tile
12. Will tile

### Exercise 11.4

11.1

- (a) A rectangle has **four** sides and **four** corners.
- (b) A circle has **one** side and **no** corners.
- (c) An octagon has **eight** sides and **eight** corners.
- (d) A heptagon has **seven** edges and **seven** corners.

11.2A

- (a) Right-angle
- (b) Smaller
- (c) Larger

11.3

- (a) Will tile
- (b) Will not tile
- (c) Will tile

## Chapter 12

### Exercise 12.1A

1. Quarter turn right
2. Half turn
3. Quarter turn left
4. Full turn
5. Quarter turn left
6. Half turn
7. Quarter turn right
8. Full turn

### Exercise 12.1B

1. Anticlockwise
2. Clockwise
3. Clockwise
4. Anticlockwise
5. Anticlockwise
6. Clockwise
7. Anticlockwise
8. Clockwise
9. Clockwise
10. Anticlockwise

### Exercise 12.2A

1.
  - (a) North
  - (b) West
  - (c) East
2.
  - (a) South
  - (b) South
  - (c) West
  - (d) East
  - (e) North
  - (f) North
3.
  - (a) West
  - (b) East
  - (c) North
  - (d) South
  - (e) North
  - (f) West
  - (g) East
  - (h) South

### Exercise 12.2B

1. Football pitch
2. Table
3. See-saw

4. Slide
5. Sand pit
6. Table
7. See-saw
8. Sand pit
9. Ice cream van
10. Climbing frame

### Exercise 12.3

1.
  - (a) I6
  - (b) G4
  - (c) F8
  - (d) J1
  - (e) A2
  - (f) C4
  - (g) B9
  - (h) H10
  - (i) D7
  - (j) E5
  - (k) B7
  - (l) I3
2.
  - (a) A3
  - (b) B1
  - (c) B3
  - (d) H10
  - (e) B9
  - (f) A10
  - (g) J2
  - (h) J3
  - (i) E6
3.
  - (a) Sand pit
  - (b) Table
  - (c) Football
  - (d) Swings
  - (e) Pond
  - (f) Pine tree

### Exercise 12.4

1.
  - (a) Football pitch
  - (b) Petrol station
  - (c) Toy shop
  - (d) Old oak tree
  - (e) Restaurant
  - (f) Church
2.
  - (a) Black queen
  - (b) White rook
  - (c) Black king
  - (d) White king
  - (e) Black bishop
  - (f) White knight

### Exercise 12.5A

1. Right two boxes, down one box.
2. Right two boxes, up three boxes.
3. Left one box, down five boxes, right two boxes.
4. Right two boxes, up three boxes, left two boxes.
5. Right two boxes, down three boxes.
6. Right two boxes, down two boxes, right three boxes, up two boxes.
7. Left three boxes, up three boxes.
8. Left three boxes, down three boxes.
9. Right two boxes, up three boxes, right three boxes, down one box.

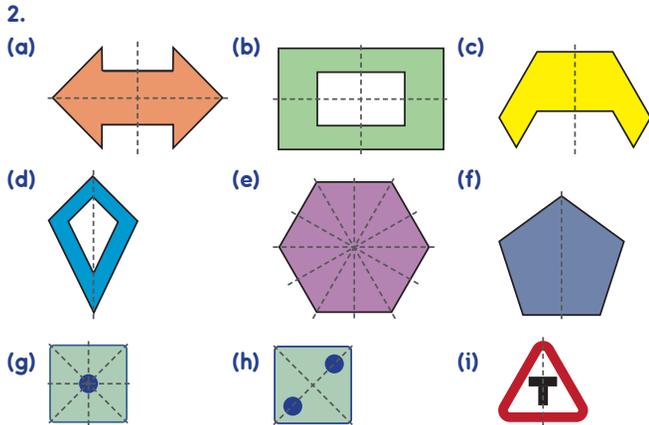
### Exercise 12.5B

1. West five boxes.
2. East five boxes, north one box.
3. South two boxes, west three boxes.
4. South six boxes, east three boxes.
5. South three boxes, west six boxes.
6. East three boxes, north two boxes.
7. South two boxes, east five boxes.
8. East six boxes, north six boxes.
9. North four boxes, west four boxes.

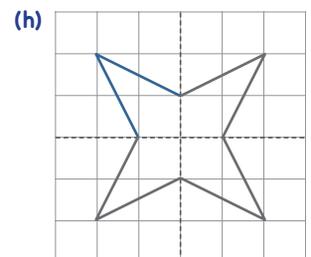
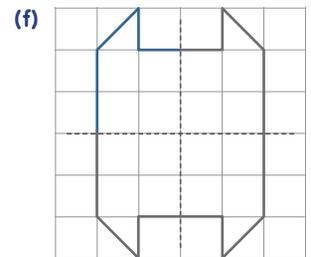
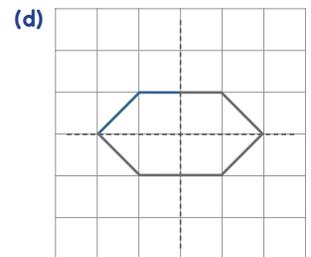
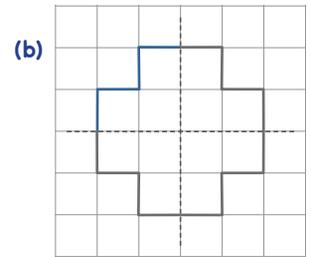
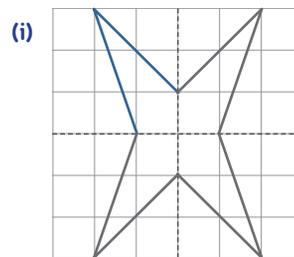
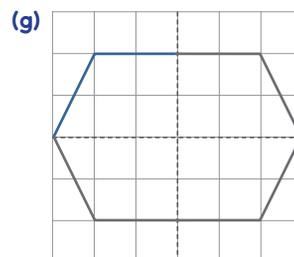
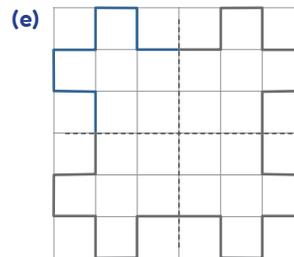
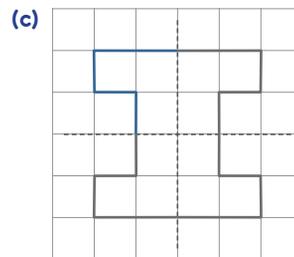
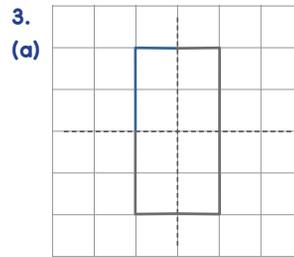
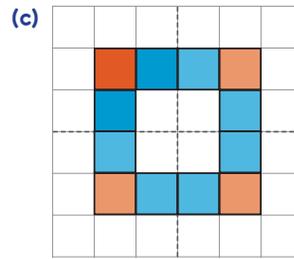
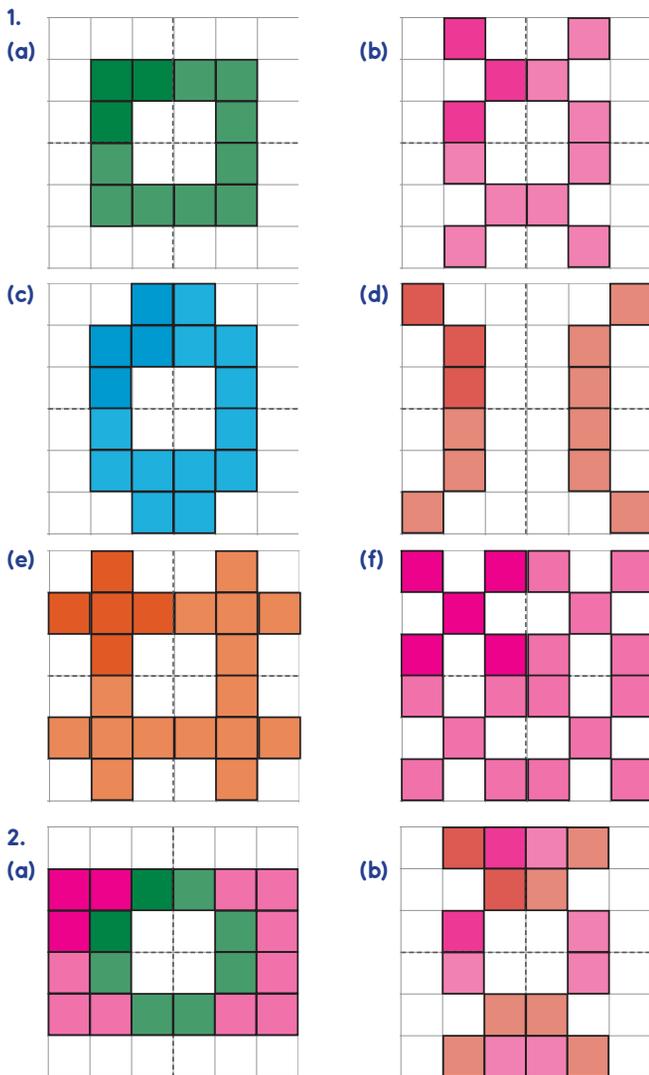
# Chapter 13

## Exercise 13.1

1.  
 (a) No                      (b) No                      (c) No  
 (d) Yes                     (e) No                     (f) Yes  
 (g) No                      (h) No                     (i) Yes



## Exercise 13.2



# Chapter 14

## Exercise 14.1A

Sport	Tally	Total
Football		11
Rugby		9
Swimming		6
Running		5
Weightlifting		6

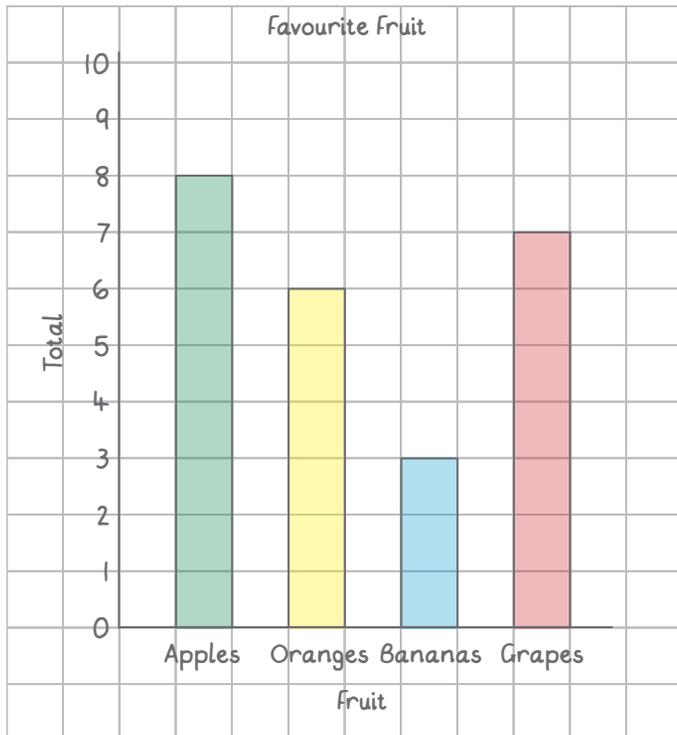
## Exercise 14.1B

Answers in this exercise will vary.

## Exercise 14.2

2. Red      3. Red      4. Fourteen      5. Five  
6. Twenty-seven

## Exercise 14.3A



## Exercise 14.3B

Answers in this exercise will vary.

## Exercise 14.4

2. Football      3. Cycling      4. Four      5. Two  
6. Twenty

## Exercise 14.5

1. Outdoor Learning      2. English

3. Twelve      4. Thirteen  
5. Three      6. Forty-seven

## Exercise 14.6

Transport	Tally
Car	😊😊😊😊😊😊😊😊
Bus	😊😊😊😊😊😊😊😊😊😊
Bike	😊😊😊😊😊☺
Walk	😊😊😊😊😊😊😊😊
Scooter	😊😊☺

# Chapter 15

## Exercise 15.1

- |                     |                     |
|---------------------|---------------------|
| 1. Highly likely    | 2. Highly unlikely  |
| 3. Likely           | 4. Impossible       |
| 5. Highly likely    | 6. Impossible       |
| 7. Certain          | 8. Highly likely    |
| 9. Highly unlikely  | 10. Certain         |
| 11. Even chance     | 12. Even chance     |
| 13. Impossible      | 14. Impossible      |
| 15. Highly likely   | 16. Highly likely   |
| 17. Impossible      | 18. Likely          |
| 19. Highly unlikely | 20. Highly unlikely |