

ZETA PRIMARY

1A

MATHS & NUMERACY

CfE First Level

TEXTBOOK

ANSWERS



Chapter 1

Exercise 1.1A

1.
(a) six (b) four (c) eight
(d) two (e) seven (f) five
(g) three (h) one (i) nine
2.
(a) twelve (b) thirteen (c) nineteen
(d) eighteen (e) seventeen (f) fifteen
(g) eleven (h) fourteen (i) sixteen
3.
(a) twenty-two (b) thirty-five (c) forty-three
(d) fifty-one (e) sixty-seven (f) seventy-four
(g) eighty (h) ninety-nine (i) fifty-seven
(j) thirty-nine (k) sixty (l) one hundred

Exercise 1.1B

1. three 2. seven 3. five
4. twelve 5. eighteen 6. eleven
7. twenty-seven 8. twenty-two 9. twenty-nine
10. eleven 11. seven 12. eighteen

Exercise 1.2A

1.
(a) 3 (b) 2 (c) 8
(d) 6 (e) 9 (f) 0
(g) 4 (h) 10 (i) 5
2.
(a) 15 (b) 11 (c) 13
(d) 12 (e) 19 (f) 14
(g) 18 (h) 16 (i) 17
3.
(a) 30 (b) 20 (c) 10
(d) 40 (e) 50 (f) 60
(g) 70 (h) 80 (i) 90
4.
(a) 94 (b) 52 (c) 43
(d) 22 (e) 61 (f) 67
(g) 38 (h) 96 (i) 78
(j) 64 (k) 83 (l) 99

Exercise 1.2B

1. 5 2. 4 3. 8
4. 4 5. 1 6. 6
7. 9 8. 0 9. 5
10. 7 11. 6 12. 3
13. 8 14. 6 15. 4

Exercise 1.2C

1. 15 2. 24 3. 13
4. 23 5. 33 6. 18

Exercise 1.2D

1. 30 2. 37 3. 31
4. 45 5. 50 6. 35
7. 61 8. 78 9. 87

Exercise 1.2E

1. 30 2. 10 3. 40
4. 50 5. 4 6. 2
7. 7 8. 32 9. 16
10. 53 11. 28 12. 45

Exercise 1.3A

1.
(a) 12, 13, 14 (b) 18, 19, 20 (c) 32, 33, 34
(d) 46, 47, 48 (e) 58, 59, 60 (f) 63, 64, 65
(g) 82, 83, 84 (h) 34, 35, 36 (i) 53, 54, 55
2.
(a) 12, 13 (b) 21, 22 (c) 32, 33
(d) 51, 52 (e) 58, 59 (f) 70, 71
(g) 81, 82 (h) 36, 37 (i) 62, 63
3.
(a) 11 (b) 20 (c) 39
(d) 50 (e) 78 (f) 22
(g) 80 (h) 45 (i) 40

Exercise 1.3B

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

Exercise 1.4A

1.
(a) 12, 11, 10 (b) 14, 13, 12 (c) 26, 25, 24
(d) 42, 41, 40 (e) 52, 51, 50 (f) 59, 58, 57
(g) 76, 75, 74 (h) 30, 29, 28 (i) 52, 51, 50
2.
(a) 8, 7 (b) 17, 16 (c) 28, 27
(d) 47, 46 (e) 54, 53 (f) 66, 65
(g) 77, 76 (h) 32, 31 (i) 58, 57
3.
(a) 13 (b) 28 (c) 37
(d) 98 (e) 36 (f) 20
(g) 78 (h) 43 (i) 58

Exercise 1.4B

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

Exercise 1.5

1.
(a) 10, 13, 18, 23 (b) 15, 16, 25, 26
(c) 21, 24, 35, 44 (d) 29, 33, 49, 53
(e) 34, 41, 55, 66 (f) 12, 23, 35, 43
(g) 47, 51, 65, 77 (h) 14, 46, 75, 81
(i) 36, 39, 45, 56
2.
(a) 26, 15, 13, 10 (b) 29, 24, 16, 11
(c) 44, 33, 28, 21 (d) 53, 48, 36, 29
(e) 55, 50, 46, 32 (f) 65, 62, 27, 13
(g) 77, 66, 44, 11 (h) 96, 80, 75, 16
(i) 51, 45, 39, 32

Exercise 1.6

1.
(a) 12, 20 (b) 4, 26 (c) 94
(d) 42 (e) 56, 14 (f) 12
(g) 46, 60 (h) 82, 46, 14, 78 (i) 26, 56
2.
(a) 9, 25, 73 (b) 17, 25 (c) 47, 21
(d) 13, 35, 7 (e) 75, 61 (f) 93, 79
(g) 1, 49 (h) 83, 49, 15 (i) 21, 45, 39, 57
3.
(a) 20, 22, 24, 26, 28 (b) 27, 29, 31, 33, 35
(c) 35, 33, 31, 29, 27 (d) 42, 44, 46, 48, 50
(e) 56, 54, 52, 50, 48 (f) 85, 87, 89, 91, 93
(g) 11, 9, 7, 5, 3 (h) 82, 84, 86, 88, 90
(i) 53, 51, 49, 47, 45
4.
(a) even (b) odd (c) odd
(d) even (e) even (f) odd
(g) even (h) even (i) odd
(j) odd (k) even (l) odd

Exercise 1.7A

1. $10 + 6 = 16$ 2. $10 + 8 = 18$ 3. $10 + 1 = 11$
4. $10 + 9 = 19$ 5. $10 + 4 = 14$ 6. $10 + 7 = 17$
7. $20 + 6 = 26$ 8. $30 + 1 = 31$ 9. $30 + 8 = 38$
10. $40 + 9 = 49$ 11. $70 + 3 = 73$ 12. $80 + 6 = 86$
13. $90 + 8 = 98$

Exercise 1.7B

1. 3 tens and 1 one = 31 2. 4 tens and 3 ones = 43
3. 2 tens and 2 ones = 22 4. 5 tens and 0 ones = 50
5. 3 tens and 5 ones = 35 6. 6 tens and 1 one = 61

Exercise 1.7C

1. 2 tens and 6 ones 2. 1 ten and 1 one
3. 2 tens and 1 one 4. 8 tens and 7 ones
5. 3 tens and 2 ones 6. 6 tens and 5 ones
7. 4 tens and 4 ones 8. 9 tens and 5 ones

9. 5 tens and 3 ones 10. 6 tens and 2 ones
11. 1 ten and 9 ones 12. 9 tens and 9 ones

Exercise 1.8

- 1.1
(a) eight (b) twenty-three (c) fifty-one
(d) twenty-seven (e) seventy-three (f) twenty-three
- 1.2
(a) 11 (b) 16 (c) 38
(d) 18 (e) 58 (f) 31
- 1.3
(a) 43, 44, 45, 46, 47, 48 (b) 66, 67, 68, 69
(c) 31, 32 (d) 4
- 1.4
(a) 61, 60, 59, 58, 57, 56 (b) 44, 43, 42, 41
(c) 18, 17 (d) 4
- 1.5
(a) 13, 29, 33, 89 (b) 80, 49, 38, 22
- 1.6
(a) 80, 14 (b) 55, 33
(c) 22, 24, 26, 28, 30 (d) odd
- 1.7
(a) $30 + 8 = 38$ (b) 2 tens and 5 ones = 25
(c) $56 = 5$ tens and 6 ones

Chapter 2

Exercise 2.1

1.
(a) 10 (b) 0 (c) 10
(d) 10 (e) 0 (f) 10
(g) 10 (h) 0 (i) 0
2.
(a) 0 (b) 10 (c) 0
(d) 0 (e) 10 (f) 10

Exercise 2.2

1. 20 2. 80 3. 40
4. 40 5. 50 6. 90
7. 70 8. 20 9. 60
10. 10 11. 50 12. 40
13. 60 14. 70 15. 100

Exercise 2.3

- 2.1
(a) 10 (b) 10 (c) 10
(d) 10 (e) 0 (f) 10
- 2.2
(a) 10 (b) 30 (c) 60

- (d) 70 (e) 30 (f) 70
(g) 80 (h) 100 (i) 40

Chapter 3

Exercise 3.1

1.
(a) $5 + 4 = 9$ (b) $5 + 1 = 6$ (c) $5 + 5 = 10$
 $4 + 5 = 9$ $1 + 5 = 6$ $5 + 5 = 10$
(d) $5 + 3 = 8$ (e) $6 + 2 = 8$ (f) $4 + 4 = 8$
 $3 + 5 = 8$ $2 + 6 = 8$ $4 + 4 = 8$
(g) $3 + 6 = 9$ (h) $4 + 2 = 6$ (i) $3 + 4 = 7$
 $6 + 3 = 9$ $2 + 4 = 6$ $4 + 3 = 7$

2.
(a) $3 + 2 = 5$ (b) $4 + 1 = 5$ (c) $5 + 4 = 9$
(d) $3 + 5 = 8$ (e) $1 + 5 = 6$ (f) $6 + 2 = 8$
(g) $2 + 5 = 7$ (h) $4 + 2 = 6$ (i) $7 + 2 = 9$

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

Exercise 3.2

1.
(a) $3 + 3 = 6$ $4 + 3 = 7$
(b) $1 + 1 = 2$ $1 + 2 = 3$
(c) $4 + 4 = 8$ $5 + 4 = 9$
(d) $2 + 2 = 4$ $3 + 2 = 5$

2.
(a) $2 + 2 = 4$ (b) $2 + 3 = 5$ (c) $4 + 4 = 8$
(d) $5 + 4 = 9$ (e) $1 + 1 = 2$ (f) $1 + 2 = 3$
(g) $3 + 3 = 6$ (h) $4 + 3 = 7$ (i) $5 + 5 = 10$

Exercise 3.3

1. 3 2. 0 3. 4
4. 1 5. 2 6. 3
7. 2 8. 6 9. 5
10. 5 11. 4 12. 7
13. 6 14. 0 15. 6
16. 6 17. 10 18. 2

Exercise 3.4

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

2.
(a) 3 (b) 2 (c) 3
(d) 2 (e) 6 (f) 3
(g) 3 (h) 3 (i) 6

3.
(a) 3 (b) 4 (c) 5

- (d) 6 (e) 3 (f) 6
(g) 4 (h) 2 (i) 1

4.
(a) 2 (b) 7 (c) 4
(d) 2 (e) 2 (f) 5
(g) 1 (h) 4 (i) 6

Exercise 3.5

1.
(a) $3 + 5 = 8$ (b) $4 + 2 = 6$ (c) $5 + 4 = 9$
 $5 + 3 = 8$ $2 + 4 = 6$ $4 + 5 = 9$
 $8 - 5 = 3$ $6 - 4 = 2$ $9 - 5 = 4$
 $8 - 3 = 5$ $6 - 2 = 4$ $9 - 4 = 5$

- (d) $5 + 5 = 10$ (e) $2 + 8 = 10$ (f) $3 + 7 = 10$
 $5 + 5 = 10$ $8 + 2 = 10$ $7 + 3 = 10$
 $10 - 5 = 5$ $10 - 2 = 8$ $10 - 3 = 7$
 $10 - 5 = 5$ $10 - 8 = 2$ $10 - 7 = 3$

- (g) $1 + 9 = 10$ (h) $6 + 4 = 10$ (i) $8 + 2 = 10$
 $9 + 1 = 10$ $4 + 6 = 10$ $2 + 8 = 10$
 $10 - 1 = 9$ $10 - 4 = 6$ $10 - 8 = 2$
 $10 - 9 = 1$ $10 - 6 = 4$ $10 - 2 = 8$

- (j) $4 + 3 = 7$ (k) $6 + 2 = 8$ (l) $7 + 3 = 10$
 $3 + 4 = 7$ $2 + 6 = 8$ $3 + 7 = 10$
 $7 - 4 = 3$ $8 - 2 = 6$ $10 - 3 = 7$
 $7 - 3 = 4$ $8 - 6 = 2$ $10 - 7 = 3$

- (g) $1 + 8 = 9$ (h) $5 + 3 = 8$ (i) $4 + 3 = 7$
 $8 + 1 = 8$ $3 + 5 = 8$ $3 + 4 = 7$
 $9 - 1 = 8$ $8 - 3 = 5$ $7 - 3 = 4$
 $9 - 8 = 1$ $8 - 5 = 3$ $7 - 4 = 3$

2.
(a) $3 + 5 = 8$ (b) $4 + 5 = 9$ (c) $2 + 6 = 8$
 $5 + 3 = 8$ $5 + 4 = 9$ $6 + 2 = 8$
 $8 - 5 = 3$ $9 - 4 = 5$ $8 - 6 = 2$
 $8 - 3 = 5$ $9 - 5 = 4$ $8 - 2 = 6$

- (d) $3 + 6 = 9$ (e) $2 + 5 = 7$ (f) $1 + 9 = 10$
 $6 + 3 = 9$ $5 + 2 = 7$ $9 + 1 = 10$
 $9 - 3 = 6$ $7 - 2 = 5$ $10 - 1 = 9$
 $9 - 6 = 3$ $7 - 5 = 2$ $10 - 9 = 1$

- (g) $7 + 3 = 10$ (h) $8 + 2 = 10$ (i) $4 + 6 = 10$
 $3 + 7 = 10$ $2 + 8 = 10$ $6 + 4 = 10$
 $10 - 7 = 3$ $10 - 2 = 8$ $10 - 4 = 6$
 $10 - 3 = 7$ $10 - 8 = 2$ $10 - 6 = 4$

Exercise 3.6

1.
(a) $8 + 8 = 16$ (b) $10 + 5 = 15$ (c) $5 + 14 = 19$
(d) $3 + 9 = 12$ (e) $4 + 10 = 14$ (f) $12 + 6 = 18$
(g) $11 + 2 = 13$ (h) $5 + 12 = 17$ (i) $9 + 2 = 11$

2.
(a) $8 + 12 = 20$ (b) $15 + 5 = 20$ (c) $10 + 10 = 20$

(d) $12 + 8 = 20$ (e) $4 + 16 = 20$ (f) $11 + 9 = 20$
 (g) $11 + 9 = 20$ (h) $0 + 20 = 20$ (i) $6 + 14 = 20$
 (j) $16 + 4 = 20$ (k) $13 + 7 = 20$ (l) $1 + 19 = 20$

3.

(a) 15	(b) 15	(c) 19
(d) 18	(e) 15	(f) 18
(g) 17	(h) 16	(i) 20
(j) 13	(k) 19	(l) 18
(m) 16	(n) 20	(o) 19

Exercise 3.7

1. $6 + 6 = 12$ $6 + 7 = 13$	2. $7 + 7 = 14$ $7 + 8 = 15$	3. $8 + 8 = 16$ $8 + 9 = 17$
4. $5 + 5 = 10$ $5 + 6 = 11$	5. $9 + 9 = 18$ $9 + 10 = 19$	6. $10 + 10 = 20$ $9 + 10 = 19$

Exercise 3.8

1.

(a) 13	(b) 11	(c) 14
(d) 12	(e) 15	(f) 13
(g) 14	(h) 16	(i) 15
(j) 15	(k) 13	(l) 17
(m) 12	(n) 8	(o) 7
(p) 14	(q) 17	(r) 19

2.

(a) 3	(b) 1	(c) 5
(d) 2	(e) 5	(f) 3
(g) 4	(h) 6	(i) 5
(j) 5	(k) 3	(l) 7
(m) 2	(n) 2	(o) 4
(p) 4	(q) 0	(r) 9

Exercise 3.9

1.

(a) 6	(b) 9	(c) 4
(d) 6	(e) 6	(f) 6
(g) 6	(h) 5	(i) 8
(j) 4	(k) 3	(l) 5
(m) 4	(n) 5	(o) 2

2.

(a) 3	(b) 8	(c) 1
(d) 4	(e) 10	(f) 3
(g) 3	(h) 3	(i) 6
(j) 0	(k) 4	(l) 2
(m) 3	(n) 8	(o) 6

Exercise 3.10

1.

(a) $9 + 7 = 16$ $7 + 9 = 16$ $16 - 9 = 7$ $16 - 7 = 9$	(b) $10 + 7 = 17$ $7 + 10 = 17$ $17 - 7 = 10$ $17 - 10 = 7$	(c) $7 + 11 = 18$ $11 + 7 = 18$ $18 - 7 = 11$ $18 - 11 = 7$
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(d) $5 + 14 = 19$ $14 + 5 = 19$ $19 - 14 = 5$ $19 - 5 = 14$	(e) $5 + 15 = 20$ $15 + 5 = 20$ $20 - 5 = 15$ $20 - 15 = 5$	(f) $9 + 11 = 20$ $11 + 9 = 20$ $20 - 9 = 11$ $20 - 11 = 9$
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(g) $7 + 13 = 20$ $13 + 7 = 20$ $20 - 7 = 13$ $20 - 13 = 7$	(h) $6 + 14 = 20$ $14 + 6 = 20$ $20 - 6 = 14$ $20 - 14 = 6$	(i) $12 + 8 = 20$ $8 + 12 = 20$ $20 - 8 = 12$ $20 - 12 = 8$
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2.

(a) $9 + 6 = 15$ $6 + 9 = 15$ $15 - 9 = 6$ $15 - 6 = 9$	(b) $4 + 15 = 19$ $15 + 4 = 19$ $19 - 4 = 15$ $19 - 15 = 4$	(c) $4 + 12 = 16$ $12 + 4 = 16$ $16 - 4 = 12$ $16 - 12 = 4$
(d) $6 + 7 = 13$ $7 + 6 = 13$ $13 - 6 = 7$ $13 - 7 = 6$	(e) $5 + 7 = 12$ $7 + 5 = 12$ $12 - 5 = 7$ $12 - 7 = 5$	(f) $19 + 1 = 20$ $1 + 19 = 20$ $20 - 19 = 1$ $20 - 1 = 19$
(g) $17 + 3 = 20$ $3 + 17 = 20$ $20 - 17 = 3$ $20 - 3 = 17$	(h) $2 + 18 = 20$ $18 + 2 = 20$ $20 - 18 = 2$ $20 - 2 = 18$	(i) $4 + 16 = 20$ $16 + 4 = 20$ $20 - 16 = 4$ $20 - 4 = 16$
(j) $11 + 9 = 20$ $9 + 11 = 20$ $20 - 11 = 9$ $20 - 9 = 11$	(k) $6 + 14 = 20$ $14 + 6 = 20$ $20 - 14 = 6$ $20 - 6 = 14$	(l) $5 + 15 = 20$ $15 + 5 = 20$ $20 - 15 = 5$ $20 - 5 = 15$

Exercise 3.11

1. 30	2. 50	3. 40
4. 80	5. 60	6. 80
7. 70	8. 60	9. 80
10. 90	11. 100	12. 100
13. 90	14. 100	15. 100

Exercise 3.12

1. 10	2. 10	3. 30
4. 20	5. 40	6. 30
7. 20	8. 40	9. 30
10. 10	11. 70	12. 50
13. 20	14. 50	15. 70
16. 20	17. 20	18. 80

Exercise 3.13

3.6

(a) $7 + 8 = 15$	(b) $13 + 7 = 20$	(c) $6 + 14 = 20$
(d) $13 + 2 = 15$	(e) $14 + 4 = 18$	(f) $15 + 1 = 16$

3.7

(a) $6 + 6 = 12$ $6 + 7 = 13$	(b) $10 + 9 = 19$ $10 + 10 = 20$	(c) $8 + 8 = 16$ $9 + 8 = 17$
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3.8

(a) 9	(b) 12	(c) 12
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(d) 4 (e) 6 (f) 6

3.9

(a) 6 (b) 9 (c) 8
(d) 4 (e) 0 (f) 3

3.10

(a) $3 + 16 = 19$ $16 + 3 = 19$ $19 - 3 = 16$ $19 - 16 = 3$	(b) $11 + 9 = 20$ $9 + 11 = 20$ $20 - 9 = 11$ $20 - 11 = 9$	(c) $4 + 16 = 20$ $16 + 4 = 20$ $20 - 4 = 16$ $20 - 16 = 4$
(d) $9 + 6 = 15$ $6 + 9 = 15$ $15 - 6 = 9$ $15 - 9 = 6$	(e) $4 + 16 = 20$ $16 + 4 = 20$ $20 - 4 = 16$ $20 - 16 = 4$	(f) $8 + 12 = 20$ $12 + 8 = 20$ $20 - 8 = 12$ $20 - 12 = 8$

3.11

(a) 50 (b) 60 (c) 40

3.12

(a) 20 (b) 40 (c) 50

Chapter 4

Exercise 4.1A

1.

(a) 4, 6, 8 (b) 10, 12, 14 (c) 14, 16, 18
(d) 8, 10, 12 (e) 16, 18, 20 (f) 18, 20, 22

2.

(a) 12, 14, 16 (b) 6, 8, 10 (c) 2, 4, 6
(d) 24, 26, 28 (e) 28, 30, 32 (f) 20, 22, 24

3.

(a) 8, 10, 12 (b) 12, 14, 16 (c) 6, 8, 10
(d) 18, 20, 22 (e) 14, 16, 18 (f) 16, 18, 20

Exercise 4.1B

1.

(a) 4, 2, 0 (b) 6, 4, 2 (c) 12, 10, 8
(d) 8, 6, 4 (e) 14, 12, 10 (f) 18, 16, 14

2.

(a) 24, 22, 20 (b) 10, 8, 6 (c) 16, 14, 12
(d) 12, 10, 8 (e) 20, 18, 16 (f) 14, 12, 10

3.

(a) 6, 4, 2 (b) 12, 10, 8 (c) 14, 12, 10
(d) 22, 20, 18 (e) 4, 2, 0 (f) 8, 6, 4

Exercise 4.1C

1.

(a) 5, 10, 15 (b) 10, 15, 20 (c) 20, 25, 30
(d) 30, 35, 40 (e) 40, 45, 50 (f) 15, 20, 25
(g) 35, 40, 45 (h) 45, 50, 55 (i) 25, 30, 35

2.

(a) 15, 20, 25 (b) 40, 45, 50 (c) 30, 35, 40
(d) 45, 50, 55 (e) 25, 30, 35 (f) 5, 10, 15
(g) 20, 25, 30 (h) 10, 15, 20 (i) 35, 40, 45

3.

(a) 35, 40, 45 (b) 25, 30, 35 (c) 45, 50, 55
(d) 50, 55, 60 (e) 40, 45, 50 (f) 10, 15, 20
(g) 45, 50, 55 (h) 20, 25, 30 (i) 30, 35, 40

Exercise 4.1D

1.

(a) 10, 5, 0 (b) 15, 10, 5 (c) 20, 15, 10
(d) 40, 35, 30 (e) 45, 40, 35 (f) 25, 20, 15
(g) 55, 50, 45 (h) 35, 30, 25 (i) 50, 45, 40

2.

(a) 35, 30, 25 (b) 45, 40, 35 (c) 30, 25, 20
(d) 50, 45, 40 (e) 15, 10, 5 (f) 55, 50, 45
(g) 25, 20, 15 (h) 10, 5, 0 (i) 40, 35, 30

3.

(a) 15, 10, 5 (b) 50, 45, 40 (c) 25, 20, 15
(d) 10, 5, 0 (e) 55, 50, 45 (f) 30, 25, 20
(g) 20, 15, 10 (h) 50, 45, 40 (i) 35, 30, 25

Exercise 4.1E

1.

(a) 30, 40, 50 (b) 60, 70, 80 (c) 40, 50, 60
(d) 20, 30, 40 (e) 70, 80, 90 (f) 10, 20, 30
(g) 80, 90, 100 (h) 90, 100, 110 (i) 50, 60, 70

2.

(a) 10, 20, 30 (b) 70, 80, 90 (c) 30, 40, 50
(d) 50, 60, 70 (e) 90, 100, 110 (f) 20, 30, 40
(g) 100, 110, 120 (h) 60, 70, 80 (i) 40, 50, 60

3.

(a) 20, 30, 40 (b) 50, 60, 70 (c) 60, 70, 80
(d) 100, 110, 120 (e) 10, 20, 30 (f) 70, 80, 90
(g) 80, 90, 100 (h) 40, 50, 60 (i) 30, 40, 50

Exercise 4.1F

1.

(a) 30, 20, 10 (b) 40, 30, 20 (c) 20, 10, 0
(d) 80, 70, 60 (e) 50, 40, 30 (f) 90, 80, 70
(g) 60, 50, 40 (h) 70, 60, 50 (i) 100, 90, 80

2.

(a) 80, 70, 60 (b) 70, 60, 50 (c) 30, 20, 10
(d) 60, 50, 40 (e) 90, 80, 70 (f) 110, 100, 90
(g) 100, 90, 80 (h) 40, 30, 20 (i) 50, 40, 30

3.

(a) 60, 50, 40 (b) 90, 80, 70 (c) 40, 30, 20
(d) 20, 10, 0 (e) 50, 40, 30 (f) 100, 90, 80
(g) 30, 20, 10 (h) 70, 60, 50 (i) 40, 30, 20

Exercise 4.2A

1.

(a) 2 (b) 2 (c) 2
(d) 2 (e) 2 (f) 2
(g) 2 (h) 2 (i) 2

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

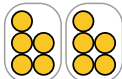
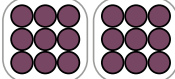
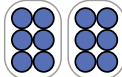
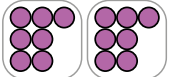
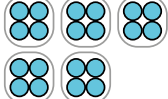
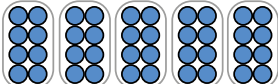
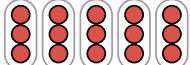
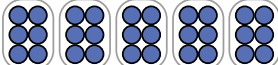
Exercise 4.2B

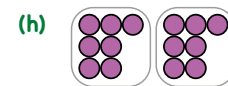
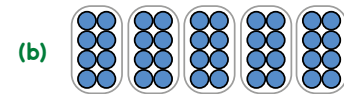
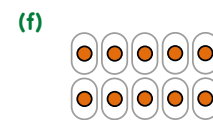
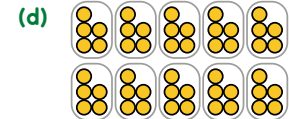
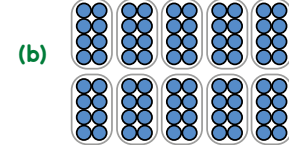
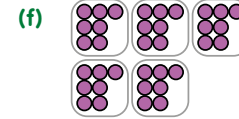
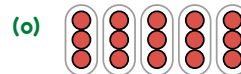
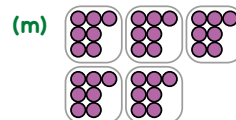
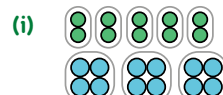
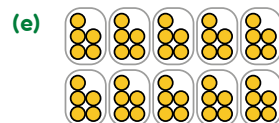
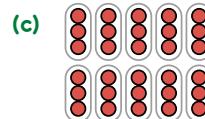
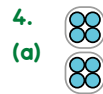
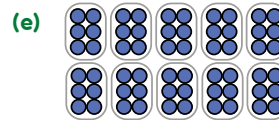
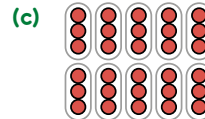
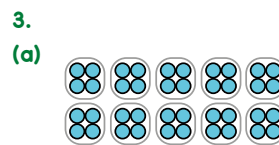
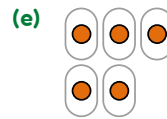
1.
 (a) 5 (b) 9 (c) 6
 (d) 7 (e) 1 (f) 2
 (g) 3 (h) 8 (i) 4
2.
 (a) 4 (b) 8 (c) 3
 (d) 6 (e) 1 (f) 7
3.
 (a) 4 (b) 8 (c) 3
 (d) 5 (e) 2 (f) 7
4.
 (a) 4 (b) 8 (c) 3
 (d) 5 (e) 7 (f) 1

Exercise 4.2C

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

Exercise 4.2D

1.
 (a)  (b) 
 (c)  (d) 
 (e)  (f) 
2.
 (a)  (b) 
 (c)  (d) 



Exercise 4.3

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

Exercise 4.4

1.
 (a) 10 (b) 8 (c) 12
 (d) 14 (e) 18 (f) 4
 (g) 6 (h) 2

2.
 (a) 20 (b) 10 (c) 15
 (d) 30 (e) 35 (f) 25
 (g) 40 (h) 5

3.
 (a) 40 (b) 60 (c) 50
 (d) 20 (e) 100 (f) 30

Exercise 4.5

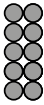
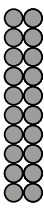
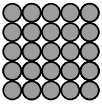
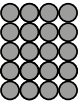
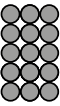
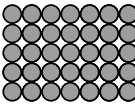
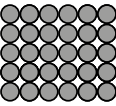
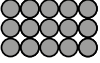
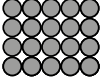
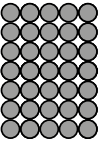
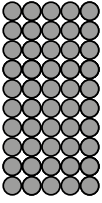
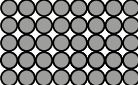
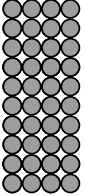
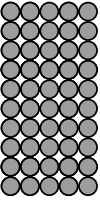
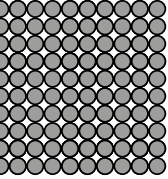
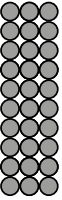
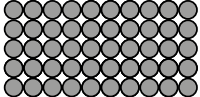
1.
 (a) 2 rows
3 columns
2 rows of 3 (b) 2 rows
9 columns
2 rows of 9 (c) 2 rows
6 columns
2 rows of 6
 (d) 2 rows
5 columns
2 rows of 5 (e) 2 rows
1 columns
2 rows of 1 (f) 2 rows
2 columns
2 rows of 2

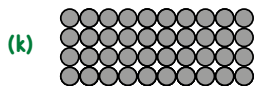
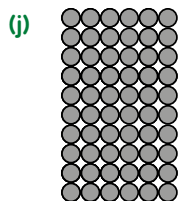
2.
 (a) 5 rows
3 columns
5 rows of 3 (b) 5 rows
4 columns
5 rows of 4 (c) 5 rows
6 columns
5 rows of 6
 (d) 5 rows
5 columns
5 rows of 5 (e) 5 rows
1 columns
5 rows of 1 (f) 5 rows
2 columns
5 rows of 2

3.
 (a) 10 rows
2 columns
10 rows of 2 (b) 10 rows
4 columns
10 rows of 4 (c) 10 rows
5 columns
10 rows of 5
 (d) 10 rows
8 columns
10 rows of 8 (e) 10 rows
1 columns
10 rows of 1 (f) 10 rows
3 columns
10 rows of 3

4.
 (a) 7 rows
2 columns
7 rows of 2 (b) 7 rows
10 columns
7 rows of 10 (c) 4 rows
5 columns
4 rows of 5
 (d) 4 rows
10 columns
4 rows of 10 (e) 1 row
5 columns
1 row of 5 (f) 3 rows
5 columns
3 rows of 5
 (g) 2 rows
8 columns
2 rows of 8 (h) 6 rows
2 columns
6 rows of 2 (i) 2 rows
10 columns
2 rows of 10
 (j) 3 rows
5 columns
3 rows of 5 (k) 3 row
10 columns
3 rows of 10 (l) 2 rows
7 columns
2 rows of 7

Exercise 4.6

1.
 (a)  (b) 
 (c)  (d) 
 (e)  (f) 
 (g)  (h) 
 (i)  (j) 
 (k)  (l) 
2.
 (a)  (b)  (c) 
 (d)  (e)  (f) 
 (g)  (h)  (i) 
 (j)  (k)  (l) 
3.
 (a)  (b)  (c) 
 (d)  (e)  (f) 
 (g)  (h) 



Exercise 4.7

- (a) 4 (b) 10 (c) 8

(d) 6 (e) 16 (f) 20
- (a) 25 (b) 50 (c) 40

(d) 35 (e) 15 (f) 45
- (a) 10 (b) 30 (c) 40

(d) 20 (e) 60 (f) 90

Exercise 4.8

- (a) $2 \times 9 = 18$ (b) $2 \times 6 = 12$ (c) $2 \times 5 = 10$

(d) $2 \times 1 = 2$ (e) $2 \times 2 = 4$ (f) $2 \times 4 = 8$

(g) $2 \times 8 = 16$ (h) $2 \times 7 = 14$ (i) $5 \times 2 = 10$

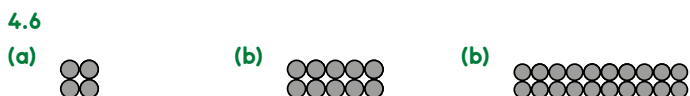
(j) $6 \times 2 = 12$
- (a) $5 \times 4 = 20$ (b) $5 \times 6 = 30$ (c) $5 \times 5 = 25$

(d) $5 \times 1 = 5$ (e) $5 \times 2 = 10$ (f) $5 \times 7 = 35$

(g) $4 \times 5 = 20$ (h) $2 \times 5 = 10$ (i) $3 \times 5 = 15$

Exercise 4.9

- 4.2
- (a) 4 (b) 8 (c) 3
- (d) 5
- 4.3
- (a) 4 (b) 3
- 4.4
- (a) 15 (b) 50
- 4.5
- (a) 2 rows 3 columns 2 rows of 3 (b) 4 rows 10 columns 4 rows of 10 (c) 3 rows 5 columns 3 rows of 5



- 4.7
- (a) 25 (b) 10 (c) 40

4.8

- (a) $2 \times 8 = 16$ (b) $3 \times 5 = 15$

Chapter 5

Exercise 5.1A

- yes
- no
- yes
- yes
- no
- yes
- no
- no
- yes
- yes
- yes
- no
- yes
- yes
- no

Exercise 5.1B

Answers will vary.

Exercise 5.1C

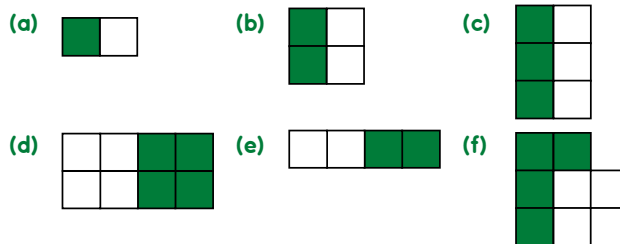
- (a) 2 (b) $3\frac{1}{2}$
- (a) $5\frac{1}{2}$ (b) 7 (c) 9
- (a) 3 (b) $4\frac{1}{2}$ (c) $6\frac{1}{2}$
- (a) 11 (b) $12\frac{1}{2}$ (c) 14
- (a) 10 (b) $10\frac{1}{2}$ (c) 15

Exercise 5.1D

- 1 half
- 3 halves
- 2 halves
- 1 half
- 4 halves
- 3 halves
- 1 half
- 3 halves
- 4 halves
- 2 halves
- 4 halves
- 3 halves

Exercise 5.1E

- Answers may vary, but number of shaded boxes should match.



- Any combinations of five coloured boxes.

Exercise 5.2A

- yes
- no
- no
- yes
- yes
- yes
- yes
- yes
- no
- no
- no
- no

Exercise 5.2B

Answers will vary.

Exercise 5.2C

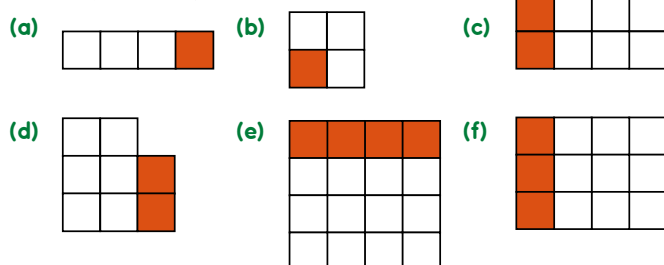
1. 3 quarters
2. 4 quarters
3. 7 quarters
4. 2 quarters
5. 6 quarters
6. 9 quarters
7. 5 quarters
8. 6 quarters
9. 14 quarters
10. 5 quarters
11. 10 quarters
12. 15 quarters

Exercise 5.2D

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

Exercise 5.2E

1. Answers may vary, but number of shaded boxes should match.



2. Any combinations of two coloured boxes.

Exercise 5.3A

1. 2
2. 3
3. 4
4. 1
5. 2
6. 3

Exercise 5.3B

1. 5
2. 4
3. 1
4. 3
5. 9
6. 6
7. 10
8. 1
9. 3
10. 2
11. 5
12. 4

Exercise 5.4

5.1A

- (a) yes
- (b) no
- (c) yes

5.1C

- (a) 2
- (b) $3\frac{1}{2}$
- (c) $5\frac{1}{2}$

5.1D

- (a) 1 half
- (b) 3 halves
- (c) 4 halves

5.2A

- (a) no
- (b) yes
- (c) yes

5.2C

- (a) 6 quarters
- (b) 3 quarters
- (c) 5 quarters

5.2D

- (a) $7\frac{2}{4}$
- (b) $8\frac{1}{4}$
- (c) 9

5.3B

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

Chapter 6

Exercise 6.1

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

Exercise 6.2

1.
 - (a) 4p
 - (b) 3p
 - (c) 6p
 - (d) 11p
 - (e) 7p
 - (f) 10p
 - (g) 15p
 - (h) 12p
 - (i) 20p
2.
 - (a) 5p
 - (b) 8p
 - (c) 11p
 - (d) 13p
 - (e) 17p
 - (f) 15p
 - (g) 16p
 - (h) 14p
 - (i) 12p
 - (j) 10p
3.
 - (a) 6p
 - (b) 5p
 - (c) 9p
 - (d) 10p
 - (e) 21p
 - (f) 20p
 - (g) 18p
 - (h) 16p
 - (i) 13p
 - (j) 19p

Exercise 6.3

1. Any two correct answers.
2. Any two correct answers.

Exercise 6.4

1. Any combination of coins that total:
 - (a) 10p
 - (b) 3p
 - (c) 1p
 - (d) 5p
 - (e) 6p
 - (f) 8p
 - (g) 9p
 - (h) 7p
 - (i) 4p
2. Any combination of coins that total:
 - (a) 19p
 - (b) 17p
 - (c) 15p
 - (d) 18p
 - (e) 11p
 - (f) 10p
 - (g) 13p
 - (h) 12p
 - (i) 16p

Exercise 6.5

- Any two correct answers.
- Any two correct answers.
- Any two correct answers.

Exercise 6.6

6.1

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

6.2

- (a) 8p (b) 10p (c) 18p
(d) 15p

6.3

- (a) 5p, 2p (b) 10p, 2p (c) 2p, 2p, 2p
(d) 5p, 2p, 2p

6.4

- (a) 12p (b) 4p (c) 5p

6.5

- (a) 10p, 10p (b) 20p, 20p
(c) 20p, 20p, 20p OR 50p, 5p, 5p (d) 50p, 20p, 20p

Chapter 7

Exercise 7.1A

1.

- (a) 5 o'clock (b) 1 o'clock (c) 8 o'clock
(d) 10 o'clock (e) 6 o'clock (f) 2 o'clock

2.

- (a) Half past 4 (b) Half past 10 (c) Half past 9
(d) Half past 12 (e) Half past 6 (f) Half past 8

Exercise 7.1B

1.

- (a) 5 o'clock (b) 2 o'clock (c) 7 o'clock
(d) 8 o'clock (e) 4 o'clock (f) 6 o'clock

2.

- (a) Half past 3 (b) Half past 7 (c) Half past 2
(d) Half past 6 (e) Half past 10 (f) Half past 12

Exercise 7.2

1.

- (a) 6:00 (b) 1:00 (c) 10:00
(d) 2:00 (e) 5:00 (f) 8:00

2.

- (a) 1:30 (b) 8:30 (c) 10:30
(d) 9:30 (e) 4:30 (f) 6:30

3.

- (a) 4:00 (b) 11:30 (c) 7:00

Exercise 7.3

1.

- (a) 1 hour (b) 3 hours (c) 2 hours
(d) 4 hours (e) 4 hours (f) 3 hours

2.

- (a) 2 hours (b) 4 hours (c) 4 hours
(d) 1 hour (e) 3 hours (f) 3 hours

3.

Activity	Start Time	Finish Time	Duration
Football	9:00	11:00	2 hours
Hockey	11:00	12:00	1 hour
Netball	11:00	1:00	2 hours
Tennis	1:00	4:00	3 hours
Karate	2:00	5:00	3 hours
Gymnastics	2:00	4:00	2 hours
Dance	3:00	5:00	2 hours
Volleyball	1:00	4:00	3 hours

Exercise 7.4

1. Flat Race 2. 10:00 3. 12:00
4. 12:30 5. Relay Race 6. 3:00

Exercise 7.5

1.

Month Before	This Month	Month After
January	February	March
July	August	September
November	December	January
February	March	April
September	October	November
April	May	June
June	July	August
October	November	December
May	June	July
December	January	February

2.

- (a) January (b) June (c) January
(d) June (e) 12 (f) March
(g) November (h) December

Exercise 7.6

7.1A

- (a) 6 o'clock (b) 3 o'clock (c) 9 o'clock
(d) Half past 4 (e) Half past 12 (f) Half past 9

7.1B

- (a) 7 o'clock (b) 2 o'clock (c) 6 o'clock
(d) Half past 8 (e) Half past 11 (f) Half past 9

7.2

- (a) 5:00 (b) 10:00 (c) 2:00
(d) 12:30 (e) 5:30 (f) 8:30

7.3

- (a) 3 Hours (b) 1 Hour

7.4

- (a) 9:00 (b) 1:00

7.5

- (a) January (b) 12 (c) April
(d) December

Chapter 8

Exercise 8.1

1.
(a) The snake is longer. (b) The pencil is shorter.
(c) The bus is longer. (d) The cow is taller.
(e) The elephant is taller. (f) The cat is shorter.

2. dog, lion, cow, horse, elephant

Exercise 8.2

1.
(a) The tennis ball is lighter. (b) The book is heavier.
(c) The bike is lighter. (d) The brick is heavier.
(e) The cat is lighter. (f) The apple is heavier.

2. feather, pencil, apple, brick, car

Exercise 8.3

Answers for this exercise may vary.

Exercise 8.4

8.1

- (a) The paint brush is longer. (b) The eraser is shorter.

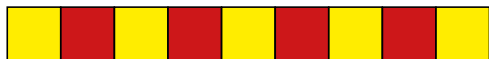
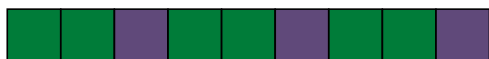
8.2

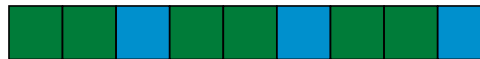
- (a) The balloon is lighter. (b) The book is heavier.

- 8.3 Answers will vary.

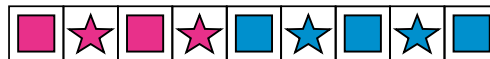
Chapter 9

Exercise 9.1

1. 
2. 
3. 
4. 
5. 

6. 
7. 
8. 
9. 
10. 
11. 
12. 

Exercise 9.2

1. 
2. 
3. 
4. 
5. 
6. 

Exercise 9.3

1. 12, 13, 14 2. 34, 35, 36 3. 59, 60, 61
4. 40, 39, 38 5. 57, 56, 55 6. 75, 74, 73
7. 8, 10, 12 8. 18, 20, 22 9. 14, 12, 10
10. 12, 15, 18 11. 28, 32, 36 12. 30, 35, 40
13. 15, 10, 5 14. 21, 18, 15 15. 28, 24, 20

Exercise 9.4

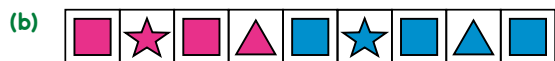
1.
(a) 4, 6, 8, 10, 12 (b) 3, 6, 9, 12, 15, 18
(c) 5, 10, 15, 20, 25 (d) 12, 14, 16, 18, 20
(e) 16, 20, 24, 28, 32 (f) 15, 20, 25, 30, 35
(g) 10, 20, 30, 40, 50 (h) 15, 18, 21, 24, 27
(i) 40, 50, 60, 70, 80
2.
(a) 14, 12, 10, 8, 6 (b) 60, 50, 40, 30, 20, 10
(c) 35, 30, 25, 20, 15 (d) 30, 27, 24, 21, 18
(e) 20, 16, 12, 8, 4 (f) 22, 20, 18, 16, 14
(g) 90, 80, 70, 60, 50 (h) 50, 45, 40, 35, 30
(i) 40, 36, 32, 28, 24

Exercise 9.5

9.1



9.2



9.3

(a) 22, 23, 24 (b) 24, 22, 20 (c) 20, 25, 30

9.4

(a) 14, 16, 18, 20, 22 (b) 3, 6, 9, 12, 15, 18

(c) 25, 30, 35, 40, 45 (d) 30, 27, 24, 21, 18

(e) 20, 18, 16, 14, 12 (f) 40, 35, 30, 25, 20

Chapter 10

Exercise 10.1A

1. $20 < 23$ 2. $27 > 26$ 3. $49 < 54$

4. $33 > 27$ 5. $75 < 81$ 6. $12 < 20$

7. $45 > 32$ 8. $82 < 90$ 9. $26 < 45$

10. $64 < 80$ 11. $100 > 98$ 12. $89 < 99$

Exercise 10.1B

1. $2 + 1 = 3$ 2. $2 + 7 > 8$ 3. $43 > 40$

4. $3 + 3 = 2 + 4$ 5. $15 = 20 - 5$ 6. $12 = 10 + 2$

7. $4 + 5 < 10$ 8. $8 + 2 > 9$ 9. $10 - 2 = 4 + 4$

10. $6 + 4 > 8$ 11. $19 < 20$ 12. $8 + 8 = 16$

Exercise 10.2

1.

(a) $15 + 4 = 19$ (b) $18 - 2 = 16$ (c) $14 + 6 = 20$

(d) $16 - 4 = 12$ (e) $19 = 20 - 1$ (f) $16 = 10 + 6$

(g) $17 + 2 = 19$ (h) $13 - 8 = 5$ (i) $11 + 3 = 14$

(j) $20 - 5 = 15$ (k) $12 = 6 + 6$ (l) $13 = 18 - 5$

(m) $11 = 1 + 10$ (n) $17 + 3 = 20$ (o) $18 - 5 = 13$

2.

(a) = 6 (b) = 9 (c) = 10

(d) = 7 (e) = 8 (f) = 5

Exercise 10.3

10.1A

(a) $27 > 23$ (b) $34 > 26$ (c) $30 > 24$

(d) $53 < 54$ (e) $66 < 84$ (f) $45 < 49$

10.1B

(a) $2 + 4 = 5 + 1$ (b) $20 > 10 + 9$ (c) $3 + 7 = 8 + 2$

(d) $5 + 3 < 9$ (e) $6 + 6 = 12$ (f) $45 > 38$

10.2A

(a) $20 + 0 = 20$ (b) $13 - 3 = 10$ (c) $19 + 1 = 20$

10.2B

(a) = 5 (b) = 8 (c) = 6

Chapter 11

Exercise 11.1A

1. Circle 2. Triangle 3. Rectangle

4. Pentagon 5. Rectangle 6. Triangle

7. Rectangle 8. Square 9. Triangle

10. Square 11. Hexagon 12. Pentagon

Exercise 11.1B

1.

(a) X (b) Z

2.

(a) Y (b) Z

3.

(a) Y (b) X

4.

(a) Z (b) Y

Exercise 11.1C

1.

(a) 3 (b) 4 (c) 2

2.

(a) 3 (b) 3 (c) 0

(d) 2 (e) 3 (f) 2

3.

(a) 4 (b) 2 (c) 0

(d) 3 (e) 0 (f) 4

4.

(a) 3 (b) 5 (c) 2

(d) 4 (e) 2 (f) 3

Exercise 11.2A

1.

Shape	Name	Number of sides	Number of corners
	Rectangle	4	4
	Hexagon	6	6
	Square	4	4
	Pentagon	5	5
	Circle	1	0

2.

Shape	Name	Number of sides	Number of corners
	Square	4	4
	Pentagon	5	5
	Rectangle	4	4
	Circle	1	0
	Hexagon	6	6

Exercise 11.2B

1.

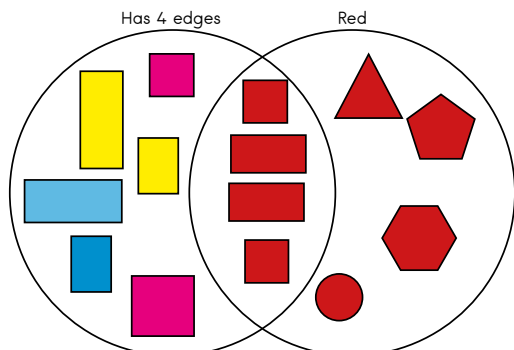
- (a) true (b) true (c) true
 (d) false (e) false (f) false
 (g) true (h) true (i) false
 (j) true

2.

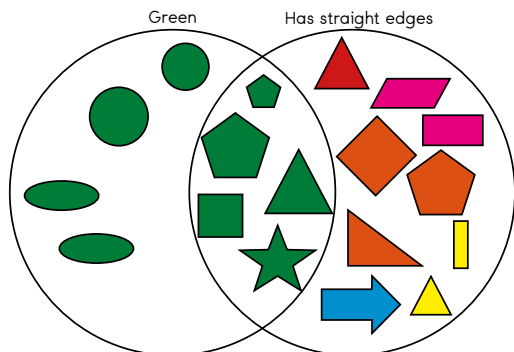
- (a) Triangle (b) Circle (c) Hexagon
 (d) Square (e) Pentagon (f) Circle

Exercise 11.2C

1.



2.



Exercise 11.3A

1. Cube 2. Cylinder
 3. Square based pyramid
 4. Sphere 5. Cuboid 6. Cone
 7. Cylinder 8. Cube 9. Sphere
 10. Cuboid 11. Cone 11. Square based pyramid

Exercise 11.3B

1.

- (a) 4 (b) 2 (c) 1
 (d) 4 (e) 1 (f) 1

2.

- (a) 3 (b) 2 (c) 1
 (d) 4 (e) 1 (f) 0

Exercise 11.3C

1.

Shape	Name	Number of edges	Number of faces	Number of corners
	Sphere	0	1	0
	Cube	12	6	8
	Square Based Pyramid	8	5	5
	Cylinder	2	3	0
	Cuboid	12	6	8

2.

Shape	Name	Number of edges	Number of faces	Number of corners
	Cube	12	6	8
	Cuboid	12	6	8
	Cylinder	2	3	0
	Sphere	0	1	0
	Square Based Pyramid	8	5	5

Exercise 11.3D

1.

- (a) true (b) true (c) true
 (d) false (e) false (f) false
 (g) false (h) true (i) true
 (j) true (k) false

2.

- (a) Cube (b) Sphere, cylinder or cone
 (c) Cylinder (d) Cone

Exercise 11.4

11.2A

- (a) A circle has 1 edge and 0 corners.
 (b) A square has 4 edges and 4 corners. The edges are equal in length.
 (c) A pentagon has 5 edges and 5 corners.

11.2B

- (a) false (b) true (c) true
(d) true

11.3

- (a) A cube has 12 edges, 6 faces and 8 corners.
The faces are the same size.
(b) A cylinder has 2 edges, 3 faces and 0 corners.
(c) Square base pyramid has 8 edges, 5 faces and 5 corners.

Chapter 12

Exercise 12.1

1. Yellow paint 2. Brushes 3. String
4. String 5. Pink paint 6. Pencils
7. Card 8. Card 9. Pink paint

Exercise 12.2

- Forward two boxes, right one box.
- Right two boxes.
- Forward two boxes.
- Right one box, forward one box.
- Backwards one box, left one box.
- Left two boxes, forward two boxes.
- Backwards two boxes, left one box.
- Backwards one box, left two boxes.
- Backwards one box, left one box.
- Backwards two boxes, left two boxes.

Exercise 12.3

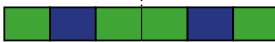
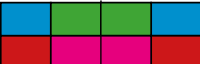
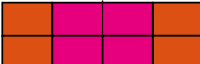
1. Slide 2. Climbing frame 3. Slide
4. Ice cream van 5. Seesaw 6. Swings
7. Bench 8. Football pitch 9. Sand pit
10. Pond

Chapter 13

Exercise 13.1A

1.
(a) yes (b) no (c) yes
(d) yes (e) no (f) yes
(g) yes (h) no (i) yes
2.
(a) yes (b) yes (c) no
(d) yes (e) yes (f) no
(g) no (h) no (i) yes
(j) no (k) yes (l) no

Exercise 13.2

1.  2. 
3.  4. 
5.  6. 
7.  8. 
9.  10. 
11.  12. 

Exercise 13.3

13.1

- (a) yes (b) no (c) yes

13.2

- (a)  (b) 
(c)  (d) 

Chapter 14

Exercise 14.1A

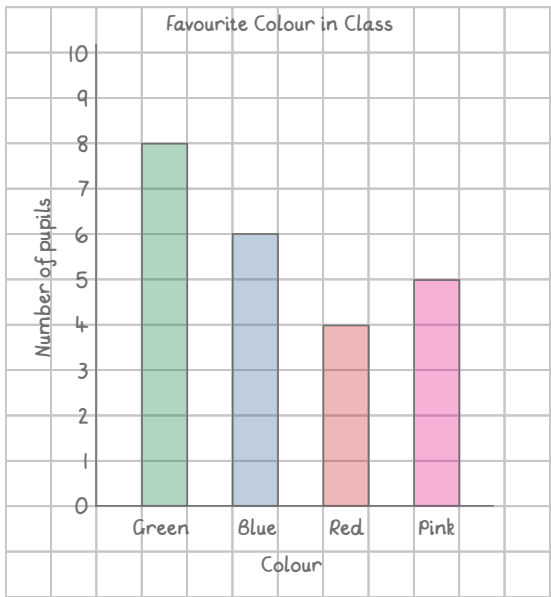
1.

Sport	Tally	Total
Basketball		4
Football		7
Rugby		3
Swimming		2
Tennis		5

Exercise 14.2

1. Brown 2. Green 3. Hazel
4. 16 5. 2 6. 24

Exercise 14.3A



Exercise 14.4

1.

Orange
2.

Banana
3.

Pears and grapes
4.

2
5.

3
6.

16

Exercise 14.5

1.

Pepperoni
2.

Chicken
3.

5
4.

5
5.

4
6.

20

Exercise 14.6

Transport	Tally
Car	
Bus	
Bike	
Walk	
Scooter	