

Pages 4–5

- a) 95, 96, 99 b) 109, 112, 113
 c) 379, 380, 383 d) 706, 707, 708
 e) 598, 599, 600
- a) 32 b) 170
 c) 52 d) 400
 e) 48
- a) 30, 33, 45, 48 b) 40, 50, 90, 100
 c) 28, 32, 48, 52 d) 8, 16, 48, 56
- A 170 B 200 C 230
 D 660 E 690 F 730
- a) 710, 810, 910 b) 600, 610, 620
 c) 645, 745, 845 d) 284, 294, 304
- No
- 25

Pages 6–7

- a) 80 b) 600
 c) 50, 4 d) 700, 90
 e) 100, 8
- a) 638 b) 417 c) 780 d) 503
- a) 437 b) 694 c) 918 d) 189
- a) 725 b) 478 c) 303 d) 427
- a) 413 b) 625 c) 704
- a) $58 \rightarrow 30 + 28, 20 + 38, 10 + 48$
 b) $63 \rightarrow 50 + 13, 40 + 23, 30 + 33, 20 + 43, 10 + 53$
 c) $47 \rightarrow 40 + 7, 30 + 17, 20 + 27, 10 + 37$

Pages 8–9

- a) < b) > c) > d) <
- 238, 573
- a) 258, 285, 302, 311 b) 509, 568, 589, 600
 c) 677, 721, 729, 784 d) 467, 476, 647, 674
- a) Any number between 38 and 54
 b) Any number between 93 and 106
 c) Any number between 245 and 290
 d) 513 or 514
- Rivers should be listed in this order: River Severn – 354 km; River Thames – 346 km; River Trent – 297 km; River Wye – 215 km; River Tay – 188 km; River Clyde – 172 km

Pages 10–11

- a) 88 b) 33 c) 62 d) 96
 e) 145 f) 235 g) 241 h) 357
- a) 81 b) 94 c) 93 d) 91
 e) 274 f) 177 g) 291 h) 389
- a)

+	30	60	20	50
134	164	194	154	184
211	241	271	231	261
302	332	362	322	352

b)

+	200	300	500	400
123	323	423	623	523
307	507	607	807	707
528	728	828	1028	928

- a) $350 + 20$ b) $50 + 55$ c) $244 + 7$
- 10

Pages 12–13

- a) 139 b) 117 c) 157 d) 166 e) 175 f) 189
- a) 125 b) 108 c) 129
 d) 125 e) 152 f) 104
- a) 44 b) 70 c) 155
 d) 151 e) 136
- a) 70 b) 140 c) 50
 d) 90 e) 110 f) 90
- a) Bottom row should be completed as follows:
 110, 60, 50, 90, 70
 b) Bottom row should be completed as follows:
 265, 172, 645, 303, 83
- a) $-40 \rightarrow$

	348	308	268
$-70 \downarrow$	278	238	198
	208	168	128

b)

	407	357	307
$-90 \downarrow$	317	267	217
	227	177	127

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- 290
- 863
- 140, 143
- 80
- 508
- 586 g, 589 g, 590 g, 658 g, 685 g
- 600, 90
- 700
- 54, 60
- <
- 253, 325, 352, 523, 532
- 983
- Any one of: 219, 220, 221, 222, 223, 224, 225
- 407
- 681
- No
- 100, 250
- 842
- Six hundred and eighteen
- 16, 24, 56, 64

Answers

Page 15

1. 396
2. 502
3. 106, 61
4. 954
5. 58 or 98
6. 883
7. 48, 109
8. 50
9. $79 - 3$
10. 191
11. 14
12. 712, 897
13. 445
14. 130 and 80, 60 and 110, 90 and 40
15. 48
16. 204, 529
17. 408
18. 219
19. $217 + 5$
20. 330

Pages 16–17

1. a) 18, 18 b) 32, 32 c) 48, 48
d) 40, 40 e) 27, 27 f) 33, 33
2. a) Any four of these: 3×8 , 8×3 , 6×4 , 4×6 , 2×12 , 12×2 , 1×24 , 24×1
b) Any four of these: 4×12 , 12×4 , 8×6 , 6×8 , 3×16 , 16×3 , 24×2 , 2×24 , 1×48 , 48×1
c) Any four of these: 6×6 , 9×4 , 4×9 , 3×12 , 12×3 , 2×18 , 18×2 , 1×36 , 36×1
3. a) 10, 20, 40 b) 14, 28, 56
c) 8, 16, 32 d) 12, 24, 48
e) 24, 48, 96 f) 18, 36, 72
4. a) 16 b) 40
c) 45 d) 21
e) 18 f) 18
g) 32 h) 70
i) 56 j) 6
k) 27 l) 36
m) 45 n) 24
o) 36 p) 24

Pages 18–19

1. a) 20, 200 b) 24, 240
c) 24, 240 d) 18, 180
e) 25, 250 f) 21, 210

2. a)

$\times$	20	50	80
3	60	150	240
6	120	300	480
4	80	200	320

b)

$\times$	3	5	4
60	180	300	240
30	90	150	120
90	270	450	360

3. a) 30×3 b) 50×5 c) 80×5
4. a) 30 b) 20 c) 300
d) 20 e) 210 f) 30
5. a) 60 b) 240
c) 120 d) 90

Pages 20–21

1. a) 8 b) 7 c) 9
d) 12 e) 11 f) 8
2. a) Bottom row should be completed as follows:
10, 16, 20, 14, 12
b) Bottom row should be completed as follows:
12, 15, 20, 18, 17
3. a) r1
b) r0
c) r5
d) r4
e) r3
f) r2
4. a) 12 r 1, 4 r 9, 24 r 1
b) 8 r 4, 14 r 2, 4 r 4

Pages 22–23

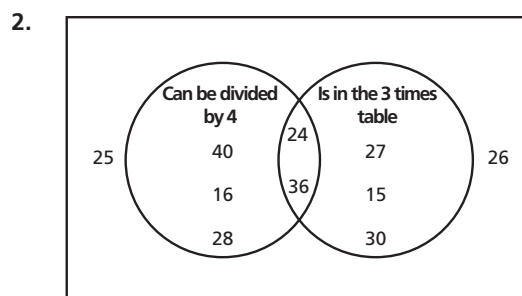
1. a) 65p b) 390 children
c) 95 km d) 137 points
e) £68 f) 38 cm
2. a) Monday $\rightarrow$ 200
Tuesday $\rightarrow$ 240
Wednesday $\rightarrow$ 190
Footballs $\rightarrow$ 170
Basketballs $\rightarrow$ 160
Tennis balls $\rightarrow$ 300
Total $\rightarrow$ 630
b) 140 c) 40
3. a) 40 miles b) 29 miles
c) 7 miles d) 33 miles
e) 5 miles

Pages 24–25

1. a) £120 b) 3
c) 100 d) 4
e) £28 f) 8
2. a) Melon b) Orange
c) Mango d) Guava
3. 37

Pages 26–27

1. a) 240 b) 7
c) 120 d) 3
e) 48 f) 12
g) 16 h) 48



3. a) 12 b) 6
c) 4 d) 3
e) 2

4. a) 45, 25 b) 45, 60, 30
 c) 45, 25 d) 80, 30
 e) 80
 5. 90g, 110g
 6. $4 \times 6 = 24$ (or $6 \times 4 = 24$), $27 \div 3 = 9$, $3 \times 5 = 15$,
 $30 \div 5 = 6$
 7. 15

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- | | |
|--|---------------------------------|
| 1. 3×6 or 6×3 | 10. r 2 |
| 2. 45 | 11. 160 |
| 3. 5 | 12. $56 \div 7$ |
| 4. 2, 3, 4, 6, 8 | 13. 70 |
| 5. 16, 32, 64 | 14. 50 |
| 6. 16 | 15. 300 |
| 7. 200 | 16. $25 \div 7$ and $20 \div 8$ |
| 8. 18 | 17. 8 |
| 9. 9×4 and 6×6 ; $3 \times$
8 and 4×6 ; 8×2
and 4×4 | 18. 360 |
| | 19. 5 r 3 |
| | 20. 49, 490 |

Page 29

- | | |
|----------|---------------|
| 1. 155km | 12. 89p |
| 2. 150 | 13. 30 |
| 3. 24 | 14. 8 |
| 4. 200m | 15. 124cm |
| 5. 480 | 16. 44p |
| 6. 32 | 17. 23 |
| 7. 72 | 18. 8 |
| 8. 63 | 19. 6 |
| 9. 54 | 20. 14 and 10 |
| 10. 30km | |
| 11. 189 | |

Pages 30–31

1. a) $\frac{3}{4}$ b) $\frac{1}{6}$
 c) $\frac{5}{8}$ d) $\frac{2}{5}$
 2. a) $\frac{1}{3}, \frac{2}{6}$ b) $\frac{3}{4}, \frac{9}{12}$
 c) $\frac{1}{2}, \frac{5}{10}$ d) $\frac{2}{5}, \frac{4}{10}$
 3. a) $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$
 b) $\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12} = \frac{5}{15} = \frac{6}{18}$
 c) $\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{5}{20} = \frac{6}{24}$
 d) $\frac{1}{5} = \frac{2}{10} = \frac{3}{15} = \frac{4}{20} = \frac{5}{25} = \frac{6}{30}$

Pages 32–33

1. a) 3 b) 2
 c) 5 d) 4
 2. a) 7 b) 10
 c) 7 d) 5
 e) 7 f) 11
 3. a) i) $\frac{1}{5}$ of 20 = 4 ii) $\frac{1}{2}$ of 20 = 10 iii) $\frac{1}{4}$ of 20 = 5
 b) so $\frac{1}{2}$
 4. True

5. a) < b) >
 c) > d) >
 e) < f) >
 6. 6 chickens, 8 goats, 10 ducks

Pages 34–35

1. a) $\frac{4}{10}$, 0.4 b) $1\frac{5}{10}$, 1.5
 c) $2\frac{1}{10}$, 2.1
 2. a) $\frac{2}{4}$ (or $\frac{1}{2}$) b) $\frac{2}{6}$ (or $\frac{1}{3}$)
 c) $\frac{4}{10}$ (or $\frac{2}{5}$) d) $\frac{4}{5}$
 3. a) $\frac{3}{3}$ or 1 b) $\frac{4}{4}$ or 1
 c) $\frac{2}{2}$ or 1 d) $\frac{5}{5}$ or 1
 All answers equal 1.
 4. $\frac{1}{6}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$

Pages 36–37

1. 1m 25cm $\rightarrow$ 125cm
 1m 20cm $\rightarrow$ 120cm
 120mm $\rightarrow$ 12cm
 3m $\rightarrow$ 300cm
 300mm $\rightarrow$ 30cm
 3cm $\rightarrow$ 30mm
 2. a) > b) =
 c) > d) <
 e) > f) =
 3. a) 9kg b) 12kg 500g
 c) 11kg 500g d) 17kg 500g
 4. a) 5 b) 20
 c) 4 d) 20
 e) 4
 5. Three 50cm and two 90cm length pipes

Pages 38–39

1. a) 97p b) 79p c) 71p
 2. a) Two 20p and two 5p coins or one 20p and
 three 10p coins
 b) One 10p and one 50p coins
 c) One 50p, one 10p, two 2p and one 1p coins or
 two 20p, two 10p and one 5p coins
 3. a) 50p, 20p, 10p, 5p coins
 b) £1, 20p, 2p, 2p coins
 c) 50p, 20p, 20p, 5p, 2p, 2p coins
 4. 20p
 5. a) £4 b) £3
 c) £2 d) £6
 6. a) £12 b) £36
 c) £45 d) £18
 e) 8

Pages 40–41

1. a) 3.10 b) 4.26
 c) 9.35 d) 11.30
 e) 1.40 f) 2.19
 g) 10.15 h) 5.05

Answers

2. a) afternoon b) morning c) morning
 d) morning e) afternoon f) evening
3. a) 6.55 b) 9.40
 c) 2.10 d) 11.25
4. a) 2 minutes b) 21 days
 c) 240 minutes d) 2 weeks
 e) 150 seconds f) 90 minutes
 g) 48 months h) 10 hours

Page 42

1. $\frac{3}{8}$
2. Any two parts shaded
3. $\frac{2}{4}$
4. $\frac{4}{12}$
5. 5
6. <
7. 0.3
8. $\frac{5}{9}$
9. $\frac{2}{12}$
10. Any two parts shaded
11. $\frac{4}{10}, 0.4$
12. $\frac{1}{6}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$
13. $\frac{4}{5}$
14. True
15. $\frac{2}{10}, \frac{3}{15}$
16. 5
17. 18
18. 12
19. 6
20. 9

Page 43

1. 4
2. £1.20
3. 6
4. £1.10
5. £2
6. 90p
7. 11.25
8. 50p, 20p, 20p, 5p
9. 1500g
10. 7 kg, $3\frac{1}{2}$ kg
11. 450 cm
12. =, <
13. 10p, 10p, 5p
14. 10.20, 4.35
15. 400 cm
16. 29p
17. 2 kg 500 g
18. 2 weeks
19. 2.55
20. 18 cm