

Page 4

1. 5000 or five 1000s
 2. 100 or one 100
 3. no 1000s or similar explanation
 4. no 100s or similar explanation
 5. 40 or four 10s
 6. 9000 or nine 1000s
 7. 34 612
 8. 60 837
 9. 24 018
 10. 90 302
 11. 70 056
- Think. 96 531, 13 569

Page 5

1. 56 793
 2. 32 056
 3. 70 316
 4. 89 647
 5. sixty-three thousand, one hundred and eighty-five
 6. thirty-four thousand, five hundred and ninety-two
 7. fifty-six thousand, five hundred and eight
 8. ninety-five thousand and seventy-seven
 9. seventy-one thousand and forty-three
 10. sixty thousand and forty-five
 11. 4, 3, 8
 12. 8, 4, 5
 13. 9, 3, 3
 14. 2, 10, 10
- Think. 9995

Page 6

1. $50\ 000 + 2000 + 100 + 40 + 9 = 52\ 149$
2. $60\ 000 + 7000 + 300 + 30 + 4 = 67\ 334$
3. $80\ 000 + 5000 + 70 + 2 = 85\ 072$
4. $3982 - 900 = 3082$
5. $90\ 000 + 700 + 50 + 1 = 90\ 751$
6. $80 + 2 + 5000 + 20\ 000 + 100 = 25\ 182$
7. $42\ 345 - 300 = 42\ 045$
8. $700 + 40 + 90\ 000 + 9 = 90\ 749$
9. $36\ 213 - 6000 = 30\ 213$
10. $24\ 575 - 500 = 24\ 075$
11. $3450 + 200 = 3650$,
 $3450 - 200 = 3250$
12. $23\ 932 + 30 = 23\ 962$,
 $23\ 932 - 30 = 23\ 902$
13. $46\ 932 + 2001 = 48\ 933$,
 $46\ 932 - 2001 = 44\ 931$
14. $60\ 503 + 402 = 60\ 905$,
 $60\ 503 - 402 = 60\ 101$

Page 7

1. $23\ 216 + 2100 = 25\ 316$
 2. $53\ 482 - 280 = 53\ 202$
 3. $45\ 834 + 3004 = 48\ 838$
 4. $23\ 346 + 6001 = 29\ 347$
 5. $53\ 671 - 3500 = 50\ 171$
 6. $92\ 078 + 1010 = 93\ 088$
 7. $44\ 277 + 4020 = 48\ 297$
 8. $67\ 807 + 102 = 67\ 909$
 9. $83\ 162 - 10\ 060 = 73\ 102$
 10. $56\ 778 - 9999 = 46\ 779$
 11. $21\ 897 - 1090 = 20\ 807$
 12. $84\ 713 + 71 = 84\ 784$
 13. $92\ 275 - 10\ 100 = 82\ 175$
 14. $66\ 256 + 2110 = 68\ 366$
 15. $35\ 504 + 1140 = 36\ 644$
 16. $53\ 022 + 724 = 53\ 746$
 17. $45\ 427 - 5310 = 40\ 117$
 18. $32\ 208 + 11\ 101 = 43\ 309$
 19. $57\ 642 + 2110 = 59\ 752$
 20. $5213 + 20\ 103 = 25\ 316$
- Think. 25 827

Page 8

1. $4785 < 5865$
 2. $3672 < 7631$
 3. $7835 < 8201$
 4. $8114 > 4799$
 5. $4285 < 4386$
 6. $5249 < 5832$
 7. $1536 > 1387$
 8. $9089 < 9102$
 9. $3113 > 3047$
 10. $7354 < 7381$
 11. $47\ 384 > 32\ 562$
 12. $58\ 588 < 84\ 294$
 13. $62\ 789 < 65\ 893$
 14. $76\ 113 > 73\ 285$
 15. $81\ 539 < 87\ 444$
 16. $35\ 675 < 36\ 042$
 17. $75\ 943 > 75\ 246$
 18. $58\ 742 > 58\ 698$
- Think. Three numbers from 49 244 to 49 802 inclusive.

Page 9

- Questions should be answered using column addition.
1. 4886
 2. 6359
 3. 9590
 4. 8181
 5. 9986
 6. 7280
 7. 10 203
 8. 12 063
 9. 11 801
 10. 12 442

Page 10

1. Question 7
 2. Question 13
 3. Question 12
- Questions should be answered using column addition.
4. 7922
 5. 11 668
 6. 11 662
 7. 17 015
 8. 11 826
 9. 13 360
 10. 13 403
 11. 7125
 12. 10 084
 13. 6444
- Think. 3741

Page 11

- Questions should be answered using column addition.
1. Skateboarding cat 10 869
 2. Whispering horse 12 450
 3. Ice-skating mouse 10 412
 4. Talking dog 13 199
 5. Skipping frog 9231
 6. Dancing pig 13 269
 7. Jumping cow 13 420
 8. Hang-gliding hamster 13 554
 9. Swimming bird 10 245
 10. The winner was the hang-gliding hamster.
- Think. 24 068

Page 12

1. $37 + 59 = 96$
2. $28 + 57 = 85$
3. $94 - 68 = 26$
4. $44 + 89 = 133$
5. $57 + 63 = 120$
6. $68 + 72 = 140$
7. $77 - 36 = 41$
8. $163 - 58 = 105$
9. $267 + 31 = 298$
10. $472 - 39 = 433$
11. $57 + 259 = 316$
12. $836 - 63 = 773$
13. $75 + 754 = 829$
14. $848 - 62 = 786$
15. $381 + 79 = 460$
16. $837 - 59 = 778$
17. 151 cm
18. £44
19. 403 ml
20. 765 m

Page 13

1. $77 + 59 = 136$
2. $94 - 67 = 27$
3. $62 - 28 = 34$
4. $86 + 79 = 165$
5. $87 - 63 = 24$
6. $168 - 72 = 96$
7. $377 + 36 = 413$
8. $123 - 78 = 45$
9. $477 + 36 = 513$
10. $422 - 39 = 383$
11. $57 + 289 = 346$
12. $816 - 67 = 749$
13. $67 + 738 = 805$
14. $848 - 69 = 779$
15. $981 + 59 = 1040$
16. $817 - 66 = 751$
17. 130
18. 95
19. 49
20. 487 g
21. 58

Think. Answers will vary but there are 26 options between $48 + 99$ and $73 + 74$.

Page 14

1. $5367 - 307 = 5060$
2. $4224 + 501 = 4725$
3. $3639 - 2200 = 1439$
4. $4357 + 621 = 4978$
5. $835 + 43 = 878$
6. $356 + 37 = 393$
7. $684 + 35 = 719$
8. $556 + 76 = 632$
9. $134 - 88 = 46$
10. $143 - 96 = 47$
11. $153 - 78 = 75$
12. $321 - 284 = 37$
13. $174 - 25 = 149$
14. $243 - 28 = 215$
15. $363 - 35 = 328$
16. $573 - 61 = 512$
17. $47 + 85 = 132$
18. $56 + 67 = 123$
19. $89 - 45 = 44$
20. $79 - 36 = 43$
21. $175 - 6 = 169$
22. $286 + 8 = 294$
23. $382 - 8 = 374$
24. $435 + 7 = 442$

Page 15

1. $4357 + 1202 = 5559$
2. $123 - 78 = 45$
3. $382 - 7 = 375$
4. $573 - 61 = 512$
5. $4824 - 504 = 4320$
6. $79 - 35 = 44$
7. $356 + 27 = 383$
8. $116 - 88 = 28$
9. $834 - 55 = 779$
10. $72 - 47 = 25$
11. $553 - 38 = 515$
12. $67 + 75 = 142$
13. $784 + 33 = 817$
14. $135 - 91 = 44$
15. $546 + 86 = 632$
16. $321 - 284 = 37$
17. 178 cm
18. 161 AD
19. £44
20. 52 years

Page 16

1. $841 - 773 = 68$
2. $461 - 384 = 77$
3. $738 - 675 = 63$
4. $554 - 469 = 85$
5. $966 - 872 = 94$
6. $824 - 571 = 253$
7. $672 - 387 = 285$
8. $934 - 678 = 256$
9. $771 - 483 = 288$
10. $833 - 379 = 454$

Page 17

1. $729 - 584 = 145$
2. $661 - 385 = 276$
3. $462 - 278 = 184$
4. $945 - 687 = 258$
5. $6016 - 4983 = 1033$
6. $4007 - 3989 = 18$
7. $5003 - 2996 = 2007$
8. $7001 - 4987 = 2014$
9. $8012 - 6982 = 1030$
10. $6015 - 3988 = 2027$
11. $9020 - 5979 = 3041$
12. $5031 - 3981 = 1050$
13. $8027 - 4986 = 3041$

Page 18

1. $704 - 689 = 15$
2. $800 - 769 = 31$
3. $1001 - 875 = 126$
4. $2000 - 967 = 1033$
5. $2000 - 1978 = 22$
6. $5000 - 3975 = 1025$
7. $8002 - 5889 = 2113$
8. $7000 - 3894 = 3106$
9. $9000 - 6945 = 2055$
10. $7002 - 5964 = 1038$
11. $5002 - 3897 = 1105$
12. $8010 - 3788 = 4222$
13. $9013 - 4867 = 4146$
14. $6006 - 2858 = 3148$
15. $9000 - 5446 = 3554$

Think. Any pair of numbers where one is between 7000 and 9999, and the other is between 1000 and 6000, with a difference of 1025.

Page 19

1. 4875 cars
2. 19
3. 96 cm
4. 2081
5. £75

Think. Answers will vary but the problem must be $77 + 35$.

Page 20

1. 26 ml
2. 62 seconds
3. 2237 g
4. 1275 ml
5. 52 ml
6. 122
7. 1834 g
8. 796 people

Page 21

1. 26 flights
2. 1518 km
3. 36
4. 131
5. 5674 km
6. 305 people
7. 173 passengers
8. 401 passengers

Page 22

1. 2 tenths or two 0·1s or 0·2
2. 3 ones or 3
3. 1 tenth or one 0·1s or 0·1
4. 6 hundredths or six 0·01s or 0·06
5. no tenths
6. 8 tens or eight 10s or 80
7. 6 tenths or six 0·1s or 0·6
8. 9 hundredths or nine 0·01s or 0·09
9. An answer where the tenths digit is two more than the tens, e.g. 61·82
10. An answer where the hundredths digit is one less than the tenths, e.g. 61·54
11. An answer where the tens digit is five more than the hundredths, e.g. 91·84
12. An answer where the hundreds digit is double the hundredths e.g. 861·04
13. An answer where the tenths digit is three times the tens, e.g. 21·66

Think. Any 2-digit number with two decimal places which is less than 50, has no zeros and in which the tenths and ones digits total the tens digit.

Page 23

1. 25
2. 2·7
3. 47
4. 1250
5. 3
6. 2·8
7. 0·71
8. 1·24
9. 0·08
10. 0·12
11. 1·4 or 1·40
12. 0·09
13. 1·01
14. 32·06

Page 24

1. 3·2
2. 1·04
3. 2046
4. 0·44
5. 1·6
6. 0·72
7. 66
8. 190
9. 3
10. 126

11. 14
12. 0·7
13. 341
14. 90·36

Page 25

1.

1·2	1·3
2·3	
2.

0·5		
1·4	1·5	1·6
2·5		
3.

3·5
4·5 4·6
4.

3·2	
4·1	4·2
5.

2·3	2·4
3·3	3·4
6.

4·7		
5·6	5·7	5·8
6·7		
7.

0·4	0·5
1·4	1·5
8.

3·7		
4·6	4·7	4·8
5·7		
9.

7·9
8·9 9·0

Page 26

1.

0·13		
0·22	0·23	0·24
0·33		
2.

0·56		
0·65	0·66	0·67
0·76		

3.

0·46		
0·55	0·56	0·57
0·66		

4.

0·79		
0·88	0·89	0·90
0·99		

5. $0·35 + 0·1 = 0·45$
6. $0·63 - 0·1 = 0·53$
7. $0·78 + 0·01 = 0·79$
8. $0·94 - 0·01 = 0·93$
9. $0·29 + 0·01 = 0·30$ or $0·3$
10. $0·6 - 0·01 = 0·59$

Page 27

1. 188
 2. 112 km
 3. 68 cm
 4. £59
 5. 152
 6. 24
 7. 64
 8. £156
 9. 312
- Think. Answers will vary.

Page 28

1. 480
2. 700
3. 960
4. 1440
5. 1140
6. 1720
7. 1900
8. 1520
9. 1360
10. 800
11. 400
12. 1300
13. 1550
14. 850
15. 1400
16. 2125
17. 1800
18. 1650
19. 342
20. 441
21. 504
22. 423
23. 594
24. 801
25. 315
26. 828
27. 639

Think. Answers will vary.

Page 29

1. $69 \times 9 = 621$
2. $48 \times 25 = 1200$
3. $39 \times 20 = 780$
4. $81 \times 9 = 729$
5. $38 \times 25 = 950$
6. $86 \times 20 = 1720$
7. $74 \times 9 = 666$
8. $67 \times 25 = 1675$
9. $77 \times 20 = 1540$
10. $63 \times 9 = 567$
11. $91 \times 25 = 2275$
12. $97 \times 20 = 1940$
13. $72 \times 9 = 648$
14. $79 \times 25 = 1975$
15. $89 \times 20 = 1780$
16. $87 \times 9 = 783$
17. $69 \times 25 = 1725$
18. $71 \times 9 = 639$
19. $42 \times 25 = 1050$
20. $58 \times 9 = 522$

Think. Answers may vary but should imply that to multiply by 20 you can multiply by 2 and then by 10 or to multiply by 25 you can multiply by 100 and divide by 4.

Page 30

1. 13:10
2. 14:35
3. 02:16
4. 01:10
5. 11:18
6. 09:54
7. 22:46
8. 02:18
9. 16:57
10. 6:35 am
11. 2:20 pm
12. 9:22 pm
13. 11:09 am
14. 7:43 pm
15. 10:47 pm
16. 18:15
17. 09:15
18. 06:50
19. 12:08
20. 23:55
21. 15:40

Page 31

1. 16:25, 18:25, 20:25
2. 10:30, 12:30, 14:30
3. 12:05, 14:05, 16:05
4. 14:20, 16:20, 18:20
5. 17:05, 19:05, 21:05

6. 11:35, 13:35, 15:35
 7. 18:35, 20:35, 22:35
 8. 15:55, 17:55, 19:55
 9. 1 hour and 35 minutes
 10. 1 hour and 5 minutes
 11. 1 hour and 10 minutes
 12. 1 hour and 35 minutes
 13. 40 minutes
- Think. Planes stop at Paris and Dublin for half an hour.
Planes stop in Amsterdam for 40 minutes.
Planes stop in Edinburgh for 20 minutes.

Page 32

1.	Snoretton	Little Boring	Sleepville	Dozetown	Snoozeford
	10:15	10:32	10:54	11:03	11:26
	12:04	12:21	12:43	12:52	13:15
	14:43	15:00	15:22	15:31	15:54
	17:30	17:47	18:09	18:18	18:41

2. 17 minutes
 3. 9 minutes
 4. 39 minutes
 5. 32 minutes
 6. 22 minutes
 7. 23 minutes
 8. 31 minutes
 9. 54 minutes
 10. 1 hour and 11 minutes
- Think. Timetables will vary but total journey time should take 2 hours 45 minutes.

Page 33

1. 132 mm, 13.2 cm
2. 176 mm, 17.6 cm
3. 79 mm, 7.9 cm
4. 53 mm, 5.3 cm
5. 38 mm, 3.8 cm
6. 63 mm, 6.3 cm
7. 77 mm, 7.7 cm
8. 91 mm, 9.1 cm

Page 34

1. 143 mm, 14.3 cm
2. 149 mm, 14.9 cm
3. 125 mm, 12.5 cm
4. 152 mm, 15.2 cm
5. 104 mm, 10.4 cm
6. 125 cm
7. 137 cm
8. 195.5 cm
9. 2740 mm
10. 755 mm
11. 2400 mm

Page 35

1. 18 cm, 0.18 m
 2. 16 cm, 0.16 m
 3. 14 cm, 0.14 m
 4. 26 cm, 0.26 m
 5. 64 cm, 0.64 m
 6. 46 cm, 0.46 m
 7. 36 cm, 0.36 m
 8. 74 cm, 0.74 m
 9. 92 cm, 0.92 m
 10. 116 cm, 1.16 m
 11. 112 cm, 1.12 m
 12. 126 cm, 1.26 m
- Think. A rectangle with a perimeter of 28 cm.

Page 36

1. 0.64 m
 2. 1.24 m
 3. 0.8 m
 4. 1.8 m
 5. 1.5 m
 6. 1.1 m
 7. 0.92 m
 8. 1.08 m
 9. 26 cm
 10. 20 cm
 11. 32 cm
 12. 17 cm
 13. 10.8 cm
- Think. 1×17 , 2×16 , 3×15 , 4×14 , 5×13 , 6×12 , 7×11 , 8×10 , 9×9

Page 37

1. 12 cm, 0.12 m
 2. 22.2 cm, 0.222 m
 3. 27 cm, 0.27 m
 4. 46 cm, 0.46 m
 5. 52 cm, 0.52 m
 6. 120 cm, 1.2 m
 7. 288 cm, 2.88 m
 8. 26 cm, 0.26 m
 9. 35 cm, 0.35 m
 10. 27 cm, 0.27 m
- Think. A regular 5-sided polygon with sides 5.5 cm.

Page 38

Questions should be answered using column subtraction.

1. 127
2. 324
3. 494
4. 255
5. 63
6. 235
7. 73
8. 116
9. 443
10. 186
11. 185
12. 44

Page 39

Questions should be answered using column subtraction.

1. 173
2. 653
3. 318
4. 608
5. 104
6. 174
7. 184
8. 34
9. 253
10. 53
11. 249
12. 101
13. 125
14. 471
15. 305
16. 609
17. 423
18. 195
19. 44
20. 462
21. 105
22. 455

Page 40

Questions should be answered using column subtraction.

1. 284
2. 431
3. 103
4. 64
5. 156
6. 77
7. 135
8. 281
9. 139
10. 48
11. 247

12. 75

13. 119 m

14. 103 cm

15. 286

16. £208

17. 506 g

Think. A word problem for $478 - 348$.

Page 41

Questions should be answered using column subtraction.

1. 329
2. 539
3. 278
4. 477
5. 94
6. 166
7. 78
8. 79
9. 298
10. 67
11. 189
12. 74
13. 66
14. 476
15. 269
16. 399
17. 77 cm
18. 177 days
19. 86 m

Think. Subtraction questions that involve carrying twice and give the answer 394.

Page 42

Questions should be answered using column subtraction.

1. 277
2. 419
3. 269
4. 128
5. 87
6. 88
7. 389
8. 155
9. 388
10. 78
11. 73
12. 96
13. 179
14. 59
15. 196
16. 456
17. 156m
18. 187 days

Think. 482 and 426.

Page 43

1. $803 - 657 = 146$
2. $604 - 265 = 339$
3. $305 - 172 = 133$
4. $702 - 343 = 359$
5. $904 - 568 = 336$
6. $703 - 474 = 229$
7. $8003 - 5357 = 2646$
8. $4003 - 1748 = 2255$
9. $3004 - 1367 = 1637$
10. $8010 - 4512 = 3498$
11. $7007 - 2324 = 4683$

Page 44

1. Answers will vary.
 2. Answers will vary.
 3. Answers will vary.
- Think. 1226, 2226, 3226, 4226

Page 45

1. Any one item except for the mobile phone.
2. DVD: £42.01, calculator: £45.52, coat: £1.64, trainers: £31.71, sports top: £32.10, walkie talkie: £19.22
3. Any of the following combinations – DVD and calculator: £37.53, DVD and trainers: £23.72, calculator and trainers: £27.23, DVD and sports top: £24.11, calculator and sports top: £27.62, DVD and walkie talkie: £11.23, calculator and walkie talkie: £14.74, trainers and sports top: £13.81, trainers and walkie talkie: £0.93, sports top and walkie talkie: £1.32
4. Any item except the smartphone.
5. console: £21.02, hi-fi: £30.93, microphone: £38.78, binoculars: £16.29, camera: £6.30, coffee maker: £47.11

Think. Any two of the subtractions to be checked using addition.

Page 46

1. Any three of the following
– yoga mat and shin pads:
£28.01, yoga mat and hand
weights: £18.40, yoga mat and
cycle helmet: £2.82, shin pads
and hand weights: £23.85, shin
pads and rock-climbing boots:
£2.05, shin pads and cycle
helmet: £8.23
2. Answers for question 1 and
the following – tennis racquet
with yoga mat: £9.31, tennis
racquet and shin pads: £14.72,
tennis racquet and hand
weights: £5.11, hand weights
and rock-climbing boots:
£42.44, hand weights and
cycle helmet: £48.62, hand
weights and skateboard:
£32.33, rock-climbing boots
and yoga mat: £46.64, rock-
climbing boots and cycle
helmet: £26.86, rock-climbing
boots and skateboard: £10.57,
cycle helmet and skateboard:
£16.75, skateboard and yoga
mat: £36.53, skateboard and
shin pads: £41.94
3. Any three pairs of any of the
items shown.
4. £26.86
5. £29.94
6. £135.98

Think. Skateboard, hand weights
and cycle helmet.

Page 47

1. no
2. yes
3. no
4. no
5. no
6. yes
7. no
8. no
9. yes
10. yes
11. yes
12. yes
13. yes
14. yes
15. yes
16. 2p coins, 5p coins or 10p coins
17. 5p coins
18. 2p coins, 5p coins or 10p coins
19. 2p coins
20. 2p coins
21. 2p coins, 5p coins or 10p coins
22. 2p coins, 5p coins or 10p coins

23. 5p coins
24. none
25. 5p coins
26. 2p coins
27. 2p coins

Page 48

1. yes
2. no
3. no
4. no
5. yes
6. yes
7. no
8. no
9. yes
10. no
11. no
12. no
- 13.

Number	Divisible by:			
	2	5	9	4
76	✓	✗	✗	✓
85	✗	✓	✗	✗
142	✓	✗	✗	✗
2136	✓	✗	✗	✓
3024	✓	✗	✓	✓
8005	✗	✓	✗	✗
790	✓	✓	✗	✗
4122	✓	✗	✓	✗

Think. Answers may vary but
should suggest that if you halve
and halve again the answer will
be even if the original number is
divisible by 8.

Page 49

1. 1×36 , 2×18 , 3×12 , 4×9 , 6×6
2. 1×18 , 2×9 , 3×6
3. 1×42 , 2×21 , 3×14 , 6×7
4. 1×28 , 2×14 , 4×7
5. 1 table of 48, 2 tables of 24,
3 tables of 16, 4 tables of 12,
6 tables of 8, 8 tables of 6,
12 tables of 4, 16 tables of 3,
24 tables of 2, 48 tables of 1
6. 1×30 , 2×15 , 3×10 , 5×6

Page 50

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

8. $\frac{2}{3} < \frac{4}{5}$
9. $\frac{2}{5} > \frac{3}{8}$
10. $\frac{2}{8} > \frac{2}{9}$
11. $\frac{5}{6} > \frac{4}{5}$
12. $\frac{6}{10} < \frac{5}{8}$
13. $\frac{2}{3} < \frac{6}{7}$
14. $\frac{7}{8} < \frac{8}{4}$
15. $\frac{2}{7} < \frac{3}{10}$

Think. Any four fractions that are
 $> \frac{1}{2}$, any four fractions that are $< \frac{1}{2}$
and two which are equal to $\frac{1}{2}$.

Page 51

1. $\frac{1}{2} < \frac{7}{12}$
2. $\frac{5}{6} > \frac{2}{3}$
3. $\frac{3}{4} < \frac{11}{12}$
4. $\frac{1}{3} > \frac{1}{4}$
5. $\frac{4}{5} < \frac{9}{10}$
6. $\frac{13}{20} > \frac{3}{5}$
7. $\frac{3}{4} < \frac{4}{5}$
8. $\frac{1}{4} < \frac{9}{20}$
9. $\frac{5}{8} > \frac{1}{2}$
10. $\frac{6}{15} > \frac{1}{3}$
11. $\frac{4}{5} < \frac{18}{20}$
12. $\frac{1}{2} > \frac{7}{16}$
13. $\frac{3}{8} > \frac{1}{4}$
14. $\frac{7}{15} > \frac{13}{30}$

- 15.–22. These fractions marked
on a number line split into 16
equal parts respectively: $\frac{1}{16}$, $\frac{1}{2}$, $\frac{3}{8}$,
 $\frac{3}{4}$, $\frac{7}{8}$, $\frac{15}{16}$, $\frac{1}{4}$, $\frac{5}{8}$.

Think. Answers will vary.

Page 52

1. $\frac{2}{4} = \frac{1}{2}$
2. $\frac{2}{3} = \frac{4}{6}$
3. $\frac{3}{4} = \frac{6}{8}$
4. $\frac{1}{6} = \frac{2}{12}$
5. $\frac{1}{5} = \frac{3}{15}$
6. $\frac{4}{10} = \frac{2}{5}$
7. $\frac{1}{3} = \frac{3}{9}$
8. $\frac{3}{4} = \frac{6}{8}$
9. $\frac{1}{4} = \frac{2}{8}$
10. $\frac{1}{5} = \frac{2}{10}$
11. $\frac{4}{5} = \frac{8}{10}$
12. $\frac{4}{8} = \frac{3}{6}$
13. $\frac{4}{6} = \frac{2}{3}$

Page 53

- I. $\frac{1}{4} = \frac{2}{8}$
2. $\frac{1}{2} = \frac{2}{4}$
3. $\frac{4}{8} = \frac{2}{4}$
4. $\frac{3}{4} = \frac{6}{8}$
5. $\frac{1}{2} = \frac{4}{8}$
6. $\frac{1}{3} = \frac{2}{6}$
7. $\frac{3}{6} = \frac{6}{12}$
8. $\frac{1}{6} = \frac{2}{12}$
9. $\frac{2}{3} = \frac{8}{12}$
10. $\frac{4}{6} = \frac{2}{3}$
- II. $\frac{5}{6} = \frac{10}{12}$

Think. Answers will vary.

12. A and G; B and N; C and I;
D and K; E and J; F and M;
H and L.

Page 54

- I. a) $\frac{6}{12} = \frac{1}{2}$, b) $\frac{3}{12} = \frac{1}{4}$, c) $\frac{10}{12} = \frac{5}{6}$,
d) $\frac{4}{12} = \frac{1}{3}$, e) $\frac{8}{12} = \frac{2}{3}$, f) $\frac{2}{12} = \frac{1}{6}$,
g) $\frac{9}{12} = \frac{3}{4}$

(Equivalent fractions should be accepted.)

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

Think. Four fractions which simplify to $\frac{2}{3}$ – for example $\frac{4}{6}, \frac{6}{9}, \frac{8}{12}, \frac{10}{15}$.

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x	60	300	40	200	90	700
5	300	1500	200	1000	450	3500
4	240	1200	160	800	360	2800
3	180	900	120	600	270	2100
6	360	1800	240	1200	540	4200

Questions 2–9 should be answered using the ladder method.

2. $524 \times 3 = 1572$
3. $294 \times 5 = 1470$
4. $158 \times 3 = 474$
5. $468 \times 4 = 1872$
6. $927 \times 3 = 2781$
7. $291 \times 5 = 1455$
8. $785 \times 4 = 3140$
9. $369 \times 5 = 1845$

Page 56

Questions should be answered using the ladder method.

- I. $553 \times 3 = 1659$
2. $784 \times 4 = 3136$
3. $667 \times 5 = 3335$
4. $194 \times 3 = 582$
5. $687 \times 4 = 2748$
6. $2574 \times 3 = 7722$
7. $1645 \times 4 = 6580$
8. $4552 \times 3 = 13\ 656$
9. $3467 \times 5 = 17\ 335$
10. $6864 \times 4 = 27\ 456$
- II. $3735 \times 3 = 11\ 205$
12. a) £954 b) £1272 c) £1590
13. a) £822 b) £1096 c) £1370
14. a) £1311 b) £1748 c) £2185

Page 57

Questions should be answered using the ladder method.

- I. $168 \times 4 = 672$
2. $247 \times 8 = 1976$
3. $384 \times 5 = 1920$
4. $145 \times 7 = 1015$
5. $482 \times 6 = 2892$
6. $653 \times 9 = 5877$
7. $671 \times 7 = 4697$
8. $785 \times 3 = 2355$
9. $807 \times 8 = 6456$
10. $962 \times 9 = 8658$
11. $2436 \times 3 = 7308$
12. $1642 \times 7 = 11\ 494$
13. $3417 \times 8 = 27\ 336$
14. $4382 \times 4 = 17\ 528$
15. $5821 \times 6 = 34\ 926$
16. $5158 \times 7 = 36\ 106$
17. $6237 \times 8 = 49\ 896$
18. $7912 \times 9 = 71\ 208$
19. $8069 \times 7 = 56\ 483$
20. $9078 \times 6 = 54\ 468$

21. £3516
22. 3402 miles
23. 11 496 m

Page 58

Questions should be answered using the ladder method.

- I. $358 \times 4 = 1432$
2. $8 \times 644 = 5152$
3. $643 \times 7 = 4501$
4. $6 \times 2438 = 14\ 628$
5. $978 \times 4 = 3912$
6. $3821 \times 8 = 30\ 568$
7. $6 \times 9856 = 59\ 136$
8. $3609 \times 4 = 14\ 436$
9. $586 \times 8 = 4688$
10. $7 \times 789 = 5523$
- II. $8472 \times 3 = 25\ 416$
12. $7 \times 7859 = 55\ 013$
13. $9527 \times 8 = 76\ 216$
14. $946 \times 6 = 5676$
15. $9607 \times 4 = 38\ 428$
16. $6835 \times 8 = 54\ 680$
17. $859 \times 9 = 7731$
18. $4653 \times 7 = 32\ 571$
19. $788 \times 6 = 4728$
20. $4786 \times 8 = 38\ 288$

Think. 1456. Answers for second part will vary.

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Questions should be answered using the ladder method.

- I. 3894×6
 2. 1975×9
 3. 4637×7
 4. 6863×8
 5. 5284×4
 6. 7973×6
 7. 6863×7
 8. 7973×9
- Think. $1975 \times 8 = 15\ 800$

Page 60

- I. $116 \div 5 = 23\text{ r }1$
2. $137 \div 4 = 34\text{ r }1$
3. $148 \div 5 = 29\text{ r }3$
4. $198 \div 9 = 22$
5. $109 \div 4 = 27\text{ r }1$
6. $236 \div 9 = 26\text{ r }2$
7. $108 \div 3 = 36$
8. $145 \div 4 = 36\text{ r }1$
9. $193 \div 5 = 38\text{ r }3$
10. $252 \div 9 = 28$
- II. $115 \div 3 = 38\text{ r }1$
12. $149 \div 6 = 24\text{ r }5$
13. $219 \div 8 = 27\text{ r }3$

Page 61

1. $222 \div 6 = 37$
2. $195 \div 4 = 48 \text{ r } 3$
3. $433 \div 9 = 48 \text{ r } 1$
4. $352 \div 8 = 44$
5. $276 \div 7 = 39 \text{ r } 3$
6. $294 \div 6 = 49$
7. $143 \div 3 = 47 \text{ r } 2$
8. $289 \div 8 = 36 \text{ r } 1$
9. $329 \div 7 = 47$
10. $342 \div 9 = 38$
11. $157 \div 4 = 39 \text{ r } 1$
12. $261 \div 6 = 43 \text{ r } 3$
13. $260 \div 7 = 37 \text{ r } 1$
14. $397 \div 8 = 49 \text{ r } 5$
15. $399 \div 9 = 44 \text{ r } 3$
16. $271 \div 6 = 45 \text{ r } 1$
17. $127 \div 3 = 42 \text{ r } 1$
18. $374 \div 7 = 53 \text{ r } 3$

Think. 38. Answers to second part will vary.

Page 62

1. $433 \div 6 = 72\frac{1}{6}$
2. $351 \div 4 = 87\frac{3}{4}$
3. $598 \div 9 = 66\frac{4}{9}$
4. $617 \div 8 = 77\frac{1}{8}$
5. $489 \div 7 = 69\frac{6}{7}$
6. $443 \div 6 = 73\frac{5}{6}$
7. $281 \div 3 = 93\frac{2}{3}$
8. $679 \div 8 = 84\frac{7}{8}$
9. $429 \div 7 = 61\frac{2}{7}$
10. $760 \div 9 = 84\frac{4}{9}$
11. $358 \div 4 = 89\frac{1}{2}$
12. $547 \div 6 = 91\frac{1}{6}$
13. $419 \div 7 = 59\frac{6}{7}$
14. $660 \div 8 = 82\frac{1}{2}$
15. $662 \div 9 = 73\frac{5}{9}$
16. $615 \div 6 = 102\frac{1}{2}$
17. $278 \div 3 = 92\frac{2}{3}$
18. $430 \div 4 = 107\frac{1}{2}$

Think. Possible solutions $135 + 2$, $270 + 4$, $405 + 6$, $540 + 8$

Page 63

1. $636 + 7$
2. $580 + 8$
3. $417 + 7$
4. $417 + 6$
5. $375 + 8$
6. $375 + 6$
7. $636 + 6$
8. $598 + 9$

Think. $598 + 6 = 99\frac{4}{6} = 99\frac{2}{3}$

Page 64

1. estimate, 45° , acute
2. estimate, 105° , obtuse
3. estimate, 135° , obtuse
4. estimate, 105° , obtuse
5. estimate, 95° , obtuse
6. estimate, 170° , obtuse
7. estimate, 10° , acute

Page 65

1. a. estimate, 55° , acute
b. estimate, 125° , obtuse
c. estimate, 185° , reflex
d. estimate, 270° , reflex
e. estimate, 175° , obtuse
f. estimate, 300° , reflex
g. estimate, 15° , acute
h. estimate, 240° , reflex
i. estimate, 85° , acute
j. estimate, 160° , obtuse
k. estimate, 45° , acute
l. estimate, 30° , acute
m. estimate, 100° , obtuse
n. estimate, 355° , reflex

Think. Obtuse

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1. a. estimate, 55° , acute,
b. estimate, 125° , obtuse,
c. estimate, 135° , obtuse,
d. estimate, 45° , acute
2. e. estimate, 30° , acute,
f. estimate, 65° , acute,
g. estimate, 85° , acute
3. h. estimate, 100° , obtuse,
i. estimate, 110° , obtuse,
j. estimate, 100° , obtuse,
k. estimate, 120° , obtuse,
l. estimate, 110° , obtuse
4. m. estimate, 100° , obtuse,
n. estimate, 40° , acute,
o. estimate, 115° , obtuse,
p. estimate, 105° , obtuse
5. q. estimate, 30° , acute,
r. estimate, 80° , acute,
s. estimate, 280° , reflex,
t. estimate, 115° , obtuse,
u. estimate, 35° , acute
6. v. estimate, 65° , acute,
w. estimate, 35° , acute,
x. estimate, 225° , reflex,
y. estimate, 35° , acute

7. drawn angle of 30° , acute
8. drawn angle of 65° , acute
9. drawn angle of 100° , obtuse
10. drawn angle of 145° , obtuse
11. drawn angle of 185° , reflex
12. drawn angle of 300° , reflex
13. drawn angle of 265° , reflex
14. drawn angle of 165° , obtuse

15. false

16. false

17. false

Page 67

1. a. estimate, 62° , acute,
b. estimate, 113° , obtuse,
c. estimate, 137° , obtuse,
d. estimate, 48° , acute
2. e. estimate, 51° , acute,
f. estimate, 104° , obtuse,
g. estimate, 25° , acute
3. h. estimate, 197° , reflex,
i. estimate, 99° , obtuse,
j. estimate, 86° , acute,
k. estimate, 121° , obtuse,
l. estimate, 37° , acute
4. m. estimate, 79° , acute,
n. estimate, 37° , acute,
o. estimate, 216° , reflex,
p. estimate, 28° , acute
5. q. estimate, 41° , acute,
r. estimate, 82° , acute,
s. estimate, 262° , reflex,
t. estimate, 123° , obtuse,
u. estimate, 32° , acute
6. v. estimate, 73° , acute,
w. estimate, 27° , acute,
x. estimate, 233° , reflex,
y. estimate, 27° , acute
7. drawn angle of 47° , acute
8. drawn angle of 89° , acute
9. drawn angle of 106° , obtuse
10. drawn angle of 173° , obtuse
11. drawn angle of 192° , reflex
12. drawn angle of 264° , reflex
13. drawn angle of 347° , reflex
14. drawn angle of 93° , obtuse
15. Answers will vary.

Think. False

Page 68

1. 110°
2. 35°
3. 107°
4. 102°
5. 43°
6. 48°
7. 137°
8. 65°
9. $a = 71^\circ$, $b = 109^\circ$
10. $a = 58^\circ$, $b = 122^\circ$

Page 69

- Circle drawn with a radius of 7 cm.
- Circle drawn with a radius of 3 cm.
- Circle drawn with a radius of 4 cm.
- Circle drawn with a radius of 8 cm.
- Circle drawn with a radius of 6 cm.
- Circle drawn with a radius of 5 cm.
- 14 cm, 6 cm, 8 cm, 16 cm, 12 cm, 10 cm respectively
- 44 cm, 19 cm, 25 cm, 50 cm, 38 cm, 31 cm respectively

Think. The circumference is just over three times the length of the diameter.

Page 70

- Circle drawn with radius of 7.2 cm.
- Circle drawn with radius of 5.9 cm.
- Circle drawn with radius of 3.4 cm.
- Circle drawn with radius of 4.8 cm.
- Circle drawn with radius of 6.7 cm.
- Circle drawn with radius of 8.1 cm.
- 14.4 cm, 11.8 cm, 6.8 cm, 9.6 cm, 13.4 cm, 16.2 cm respectively
- Answers close to: 45.2 cm, 37.1 cm, 21.4 cm, 30.2 cm, 42.1 cm, 50.9 cm respectively.
- a = circumference, b = diameter, c = radius

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- 7 cm
- 45°
- 135°
- 95°
- 85°
- 240°
- Accurate drawing of a pentagon where one angle is 210° .
- 60°
- Accurate drawing of a circle with a radius of 6 cm. Circumference about 38 cm.

Page 72

- 6.3 cm
- 63°
- 117°
- 44°

- 136°
- 106°
- 6 cm
- Accurate drawing of two circles with a radius of 5 cm and a square with a side of 10 cm as shown in diagram.
- $p = 116^\circ$, $q = 64^\circ$, $r = 116^\circ$

Page 73

- 39 420
 - 22 070
 - 64 830
 - 27 400
 - 45 700
 - 66 200
 - 37 100
 - 82 720, 82 700, 83 000
- Think. 68 230, 68 200, 68 000

Page 74

- $a = 10\ 000$, $b = 30\ 000$, $c = 50\ 000$, $d = 80\ 000$, $e = 90\ 500$.
 - $f = 51\ 500$, $g = 52\ 500$, $h = 54\ 500$, $i = 57\ 000$, $j = 58\ 000$.
 - 27 430, 27 400, 27 000
 - 38 680, 38 700, 39 000
- Think. 47 440, 47 400, 47 000

Page 75

- $a = 0.2$, $b = 0.4$, $c = 0.5$, $d = 0.7$, $e = 0.9$.
 - $f = 5.01$, $g = 5.03$, $h = 5.06$, $i = 5.08$, $j = 5.09$.
 - Number line drawn with 5.6 marked and 6 circled.
 - Number line drawn with 9.3 marked and 9 circled.
 - Number line drawn with 3.45 marked and 3 circled.
 - Number line drawn with 8.75 marked and 9 circled.
- Think. Any numbers between 5.5 and 6.49.

Page 76

- $a = 0.07$, $b = 0.19$, $c = 0.4$, $d = 0.55$, $e = 0.82$
- $f = 0.11$, $g = 0.35$, $h = 0.47$, $i = 0.7$, $j = 0.88$
- $k = 5.19$, $l = 5.4$, $m = 5.52$, $n = 5.66$, $o = 5.94$
- $p = 1.22$, $q = 1.25$, $r = 1.27$, $s = 1.28$, $t = 1.29$
- A number line from 7 to 8 with 7.27 marked on it and a ring around 7.

Think. A number line from 3 to 4 with three numbers marked: two

which round to 3, so between 3 and 3.49, and one which rounds to 4, so between 3.5 and 4.

Page 77

- $4.5\text{ m} < 5.2\text{ m}$
- $0.7\text{ m} < 1.1\text{ m}$
- $0.04\text{ m} < 0.11\text{ m}$
- $6.34\text{ m} < 6.42\text{ m}$
- $3.76\text{ m} > 3.67\text{ m}$
- $6.6\text{ m} > 6.06\text{ m}$
- $3.2\text{ m} > 2.9\text{ m}$
- $12.4\text{ m} > 1.25\text{ m}$
- $8.21\text{ m} > 8.19\text{ m}$
- $0.75\text{ m} < 0.8\text{ m}$
- $4.34\text{ m} < 4.4\text{ m}$
- $10.75\text{ m} < 10.8\text{ m}$
- Dan
- Ed
- Nia
- Ed
- Any distance between 3 m and 4 m.
- Any distance between 4.5 m and 4.6 m.
- Any distance between 3.02 m and 3.1 m.

Page 78

- Running: Vijay; Swimming: Sufia; Cycling: Chang
 - Running: Sufia; Swimming: Emma; Cycling: Sufia
 - Running: Emma; Swimming: Vijay; Cycling: Josh
 - Running: Josh; Swimming: Chang; Cycling: Scott
 - Running: Chang; Swimming: Kim; Cycling: Scott
 - Running: Chang; Swimming: Vijay; Cycling: Kim
 - Running: 0.42 seconds; Swimming: 0.77 seconds; Cycling: 1.44 seconds
 - Sufia
 - Any number between 5.6 and 6.5.
 - Any number between 4.32 and 4.35.
 - Any number between 4.7 and 7.8.
 - Any number between 4.65 and 4.6.
 - Any number between 4.7 and 4.72.
 - Any number between 5 and 4.96.
- Think. 6.0, 6.04, 6.07, 6.4, 6.47, 6.7, 6.74, 7.0, 7.04, 7.06, 7.4, 7.46, 7.6, 7.64

Page 79

1. $\frac{30}{100} = \frac{3}{10} = 0.3$
2. $\frac{75}{100} = \frac{3}{4} = 0.75$
3. $\frac{80}{100} = \frac{8}{10} = 0.8$
4. $\frac{17}{100} = 0.17$
5. $\frac{50}{100} = \frac{1}{2} = 0.5$
6. $\frac{90}{100} = \frac{9}{10} = 0.9$
7. $\frac{43}{100} = 0.43$

Page 80

1. $\frac{60}{100} = \frac{6}{10} = \frac{3}{5} = 0.6$
2. $\frac{29}{100} = 0.29$
3. $\frac{40}{100} = \frac{4}{10} = \frac{2}{5} = 0.4$
4. $\frac{67}{100} = 0.67$
5. $\frac{10}{100} = \frac{1}{10} = 0.1$
6. $\frac{5}{100} = \frac{1}{20} = 0.05$
7. $\frac{95}{100} = \frac{19}{20} = 0.95$
8. $\frac{44}{100} = \frac{11}{25} = 0.44$
9. $\frac{7}{10}$
10. $\frac{2}{10}$ or $\frac{1}{5}$
11. $\frac{9}{10}$
12. $\frac{5}{10}$ or $\frac{1}{2}$
13. $\frac{1}{10}$
14. $\frac{25}{100}$ or $\frac{1}{4}$
15. $\frac{4}{10}$ or $\frac{2}{5}$
16. $\frac{75}{100}$ or $\frac{3}{4}$
17. $\frac{6}{10}$ or $\frac{3}{5}$
18. $\frac{1}{100}$
19. $\frac{13}{100}$
20. $\frac{3}{10}$
21. $\frac{2}{100}$ or $\frac{1}{50}$
22. $\frac{45}{100}$ or $\frac{9}{20}$
23. $\frac{71}{100}$

Think. 0.05 km, 0.1 km, 0.15 km, 0.2 km, 0.25 km. The decimal increases by five hundredths each time.

Page 81

1. 0.31
2. 0.9
3. 0.75
4. 0.2
5. 0.5
6. 0.03
7. 0.11
8. 0.3
9. 0.8
10. 0.6
11. 0.04
12. 0.02
13. 0.05

14. 0.15
15. 0.35
16. 0.08
17. 0.99
18. 0.06
19. 0.32
20. 0.96
21. $\frac{31}{100}$
22. $\frac{3}{50}$
23. $\frac{79}{100}$
24. $\frac{3}{25}$
25. $\frac{9}{20}$
26. $\frac{16}{25}$
27. $\frac{19}{20}$
28. $\frac{3}{4}$
29. $\frac{2}{5}$
30. $\frac{12}{25}$
31. $\frac{1}{5}$
32. $\frac{51}{100}$

Think. 0.333333... and 0.66666666....

Page 82

1. $5231 + 2060 = 7291$
2. $7435 + 304 = 7739$
3. $3661 + 2008 = 5669$
4. $2234 + 350 = 2584$
5. $5724 + 3200 = 8924$
6. $201 + 5466 = 5667$
7. $4004 + 5674 = 9678$
8. $2401 + 4253 = 6654$

Questions 9–14 to be answered using a written method.

9. $732 + 1365 = 2097$
10. $2441 + 2842 = 5283$
11. $6481 + 1209 = 7690$
12. $3458 + 2515 = 5973$
13. $526 + 2646 = 3172$
14. $7323 + 4527 = 11\ 850$
15. $74 + 65 = 139$
16. $48 + 59 = 107$
17. $87 + 66 = 153$
18. $58 + 77 = 135$
19. $69 + 53 = 122$
20. $94 + 79 = 173$

Questions 21–26 to be answered using rounding and correcting.

21. $146 + 71 = 217$
22. $467 + 49 = 516$
23. $321 + 89 = 410$
24. $473 + 61 = 534$
25. $672 + 59 = 731$
26. $565 + 81 = 646$

Page 83

1. 254
 2. 155
 3. 10 299
 4. 8455 miles
 5. 348
 6. 142 cm
 7. Either 3328 or 3329 to be accepted dependent on whether a child recognises that there was no year zero.
 8. £9431
- Think. Answers will vary.

Page 84

1. $7214 - 104 = 7110$
2. $4337 - 2004 = 2333$
3. $5986 - 640 = 5346$
4. $5789 - 4020 = 1769$
5. 7364

Questions 6–10 to be answered by counting up.

6. $664 - 589 = 75$
7. $732 - 667 = 65$
8. $3004 - 1979 = 1025$
9. $8012 - 6895 = 1117$
10. 46 km

Questions 11–15 to be answered using a written method.

11. $786 - 264 = 522$
12. $2945 - 574 = 2371$
13. $6372 - 3458 = 2914$
14. $4786 - 2459 = 2327$
15. £4259

Page 85

1. $5783 - 3040 = 2743$
2. $4020 - 2985 = 1035$
3. $453 - 82 = 371$
4. $9678 - 6879 = 2799$
5. $4638 - 1007 = 3631$
6. $7850 - 598 = 7252$
7. $6893 - 2584 = 4309$
8. $8075 - 5982 = 2093$
9. $9011 - 3794 = 5217$
10. $8305 - 7986 = 319$
11. $5675 - 2013 = 3662$
12. $6784 - 3765 = 3019$
13. 76
14. 59
15. 1265 mm
16. 1951

Think. Answers will vary.

Page 86

1. 2448 miles
2. 387
3. £2845
4. 66
5. 1105 cm
6. 164 m
7. 7504 m
8. 176

Page 87

1. $56 \times 35 = 1960$
2. $87 \times 42 = 3654$
3. $758 \times 3 = 2274$
4. $446 \times 8 = 3568$
5. $389 \times 6 = 2334$
6. $5327 \times 9 = 47\ 943$
7. $78 \times 2 = 156$
8. $59 \times 4 = 236$
9. $342 \times 2 = 684$
10. $513 \times 4 = 2052$
11. $51 \times 10 = 510$
12. $867 \times 10 = 8670$
13. $46 \times 100 = 4600$
14. $274 \times 100 = 27\ 400$
15. $34 \times 20 = 680$
16. $72 \times 20 = 1440$
17. $365 \times 20 = 7300$
18. $528 \times 20 = 10\ 560$
19. £9700
20. 864

Page 88

1. $87 \times 2 = 174$
2. $69 \times 4 = 276$
3. $463 \times 2 = 926$
4. $785 \times 10 = 7850$
5. $67 \times 20 = 1340$
6. $84 \times 5 = 420$
7. $46 \times 100 = 4600$
8. $274 \times 6 = 1644$
9. $3435 \times 7 = 24\ 045$
10. $742 \times 16 = 11\ 872$
11. $32 \times 15 = 480$
12. $73 \times 25 = 1825$
13. 12 264
14. 296
15. 384
16. 1180p or £11.80

Think. 6×772 cm is 2 cm shorter than 7×662 cm.

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1. $484 \div 4 = 121$
2. $195 \div 5 = 39$
3. $4030 \div 10 = 403$
4. $128 \div 2 = 64$
5. $276 \div 6 = 46$
6. $126 \div 3 = 42$
7. $344 \div 8 = 43$
8. $156 \div 4 = 39$
9. $4000 \div 100 = 40$
10. $266 \div 7 = 38$
11. $396 \div 9 = 44$
12. $672 \div 6 = 112$
13. 36 weeks
14. 74 cm
15. 66
16. 87

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1. $485 \div 6 = 80\frac{5}{6}$
 2. $437 \div 5 = 87\frac{2}{5}$
 3. $6700 \div 10 = 670$
 4. $143 \div 2 = 71\frac{1}{2}$
 5. $673 \div 6 = 112\frac{1}{6}$
 6. $369 \div 3 = 123$
 7. $679 \div 8 = 84\frac{7}{8}$
 8. $864 \div 4 = 216$
 9. $52\ 000 \div 100 = 520$
 10. $406 \div 7 = 58$
 11. $777 \div 2 = 388\frac{1}{2}$
 12. $927 \div 9 = 103$
 13. 80. One box will only be half full.
 14. 236. One sock is left over.
 15. 47
- Think. Answers will vary.

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1. $\times 10$
2. $+ 50$
3. $- 20$
4. 148
5. 544
6. 1396
7. 286
8. 954

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1. $+ 100$
2. $\times 2$
3. $\times 10$
4. $\times 3$
5. $- 60$
6. $\div 100$
7. 28
8. 112
9. 2792
10. 21
11. 72
12. 249

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1. $45\ 834 + 3004 = 48\ 838$
2. $7667 + 514 = 8181$
3. $0.63 - 0.1 = 0.53$
4. $52 \times 25 = 1300$
5. $116 - 88 = 28$
6. 22
7. 477
8. $352 \div 8 = 44$
9. $7850 - 598 = 7252$
10. $276 \div 6 = 46$
11. $260 \div 7 = 37\frac{1}{7}$
12. 11 801
13. $0.29 + 0.01 = 0.3$
14. $7 \times 7859 = 55\ 013$
15. $321 - 284 = 37$
16. $292\ 275 - 210\ 100 = 82\ 175$
17. 399
18. $3735 \times 3 = 11\ 205$
19. $6784 - 3765 = 3019$
20. $396 \div 9 = 44$
21. 36
22. 74
23. 176 cm
24. £34

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1.

78			292
93			307
56			
67			

2.

78	165	92	292
93	180	107	307
56	143	70	270
67	154	81	281

3. 14
4. 200
5. Answers will vary.
6. 11, 98, 25, 225

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7.

- 49 - 19 + 39

88	39	20	59
72	23	4	43
95	46	27	66
105	56	37	76

8.

9. Additions will vary but each of the digits 1–9 must be used once.