Page 97

1. 157, 317
2. 126, 369
3. 2n + 13; 15, 17, 19, 21, 23, 25, 27, 29, 31, 33
4. 3n + 9; 12, 15, 18, 21, 24, 27, 30, 33, 36, 39
5. 6n – 6; 0, 6, 12, 18, 24, 30, 36, 42, 48, 54
6. 5, 8, 11, 14, 17, 20… 32
7. 3, 8, 13, 18, 23, 28… 48

Page 98

1. 3:6 = 1:2
2. 5:5 = 1:1
3. 3:9 = 1:3
4. 5:3
5. 4:5
6. 10
7. 25
8. 500
9. 250 ml

Think. Answers will vary.

Page 99

1. 10:16 = 5:8
2. 12:4 = 3:1
3. 6:20 = 3:10
4. 12:10 = 6:5
5. 4:10 = 2:5
6. 9 are milk and 12 are dark.
7. 12
8. 7:5

Think. Answers will vary.

Page 100

1. £12·96
2. 45·79 miles
3. 2·31 kg
4. Yes. The cost is £2444 greater.
5. 49 672 km altogether.
   He needs to cycle another 328 km more.
6. £48
7. 7·32 ml
8. £16 253 840

Page 101

Questions 12, 15, 28, 31 to be done using column addition or subtraction.

1. 1634 ÷ 26 = 62 $\frac{11}{13}$
2. £57·42 × 3 = £172·26
3. 14·86 + 35·48 + 12·57 = 62·91
4. 23·18 – 15·04 = 8·14
5. 12 ×£458 = £5496
6. 14·7 – 3·2 = 11·5
7. 43·49 – 37·77 = 5·72
8. 32 846 – 1999 = 30 847
9. 27.6 – 4·99 = 22·61
10. 35% of £60 = £21
11. 4675 ÷ 24 = 194 $\frac{19}{24}$
12. 10·82
13. 5739 ÷ 16 = 358 $\frac{11}{16}$
14. (14 – 7) × 7 + 4 = 53
15. 371 893
16. 3627 × 13 = 47 151
17. 5738 ÷ 28 = 204 $\frac{13}{14}$
18. £83·77 × 6 = £502·62
19. 37·46 – 14·01 = 23·45
20. 36·83 + 8·78 = 45·61
21. £367 × 9 = £3303
22. 47·48 – 10·16 = 37·32
23. 50·94 – 38·17 = 12·77
24. 312 – 257 = 55
25. 92 – 67 = 25
26. 95% of £12 = £11·40
27. 3284 ÷ 18 = 182 $\frac{4}{9}$
28. 8·96
29. 497 ÷ 14 = 35 $\frac{1}{2}$
30. 54·72 – 8·99 = 45·73
31. 7 166 685
32. 5624 × 26 = 146 224

Page 102

1. Rory
2. Tom
3. R + S = 24; T + S = 19; T + R = 21
4. 5
5. 2
6. Rory (2) Sam (3) Tom
7. Rory is 13; Sam is 11; Tom is 8.
8. 13 + 11 = 24; 8 + 11 = 19;
   8 + 13 = 21
9. 32

Page 103

10. A + B = 80; C + B = 100; C + D = 75; B + D + 95
11. Clio 20 y older than Amy
12. Ben 25 y older than Dan
13. Ben 20 y older than Clio
14. Ben (20) Clio (5) Dan (15) Amy
15. Amy 20; Ben 60; Clio 40; Dan 35
16. 20 + 60 = 80; 40 + 60 = 100; 40 + 35 = 75; 60 + 35 = 95
17. 155
18. Answers will vary.

abacus Answers © Pearson Education Ltd 2014