Page 55

1. 542 ÷ 4 = 135 $\frac{2}{4}$ or 135 $\frac{1}{2}$
2. 732÷ 4 = 183
3. 239 ÷ 4 = 59 $\frac{3}{4}$
4. 341 ÷ 4 = 85 $\frac{1}{4}$
5. 721 ÷ 6 = 120 $\frac{1}{6}$
6. 863 ÷ 6 = 143 $\frac{5}{6}$
7. 521 ÷ 6 = 86 $\frac{5}{6}$
8. 444 ÷ 6 = 74
9. 928 ÷ 7 = 132 $\frac{4}{7}$
10. 750 ÷ 7 = 107 $\frac{1}{7}$
11. 583 ÷ 7 = 83 $\frac{2}{7}$
12. 472 ÷ 7 = 67 $\frac{3}{7}$
13. 924 ÷ 8 = 115 $\frac{4}{8}$ or 115 $\frac{1}{2}$
14. 565 ÷ 8 = 70 $\frac{5}{8}$
15. 441 ÷ 8 = 55 $\frac{1}{8}$
16. 607 ÷ 8 = 75 $\frac{7}{8}$
17. 31
18. 40

Think. 284 ÷ 6 = 47 $\frac{1}{3}$

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1. 437 ÷ 3 = 145 $\frac{2}{3}$
2. 914 ÷ 4 = 228 $\frac{2}{4}$ or 228 $\frac{1}{2}$
3. 739 ÷ 2 = 369 $\frac{1}{2}$
4. 652 ÷ 5 = 130 $\frac{2}{5}$
5. 743 ÷ 6 = 123 $\frac{5}{6}$
6. 861 ÷ 4 = 215 $\frac{1}{4}$
7. 916 ÷ 7 = 130 $\frac{6}{7}$
8. 838 ÷ 3 = 279 $\frac{1}{3}$
9. 1058 ÷ 4 = 264 $\frac{2}{4}$ or 264 $\frac{1}{2}$
10. 10–15. Answers will vary.

Think. There are 34 numbers divisible by 3 between 200 and 300, (from 201 to 300 inclusive) there are 33 that give a remainder of 1 when divided by 3 and 33 that give a remainder of 2.

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1. 7484 ÷ 6 = 1247 r 2
2. 5863 ÷ 4 = 1465 r 3
3. 5863 ÷ 9 = 651 r 4
4. 9285 ÷ 7 = 1326 r 3
5. 4750 ÷ 3 = 1583 r 1
6. 7071 ÷ 6 = 1178 r 3
7. 9204 ÷ 8 = 1150 r 4
8. 5765 ÷ 7 = 823 r 4
9. 2863 ÷ 8 = 357 r 7
10. 1140 r 2, 1821 r 3, 1635 r 1
11. 1642 r 5, 1184 r 3, 1433 r 4
12. 1165 r 6, 1139 r 3, 1114 r 4

Think. Answers will vary, but an example would include:
1247 × 6 + 2 = 7484.

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1. 1754 r 1, 448 r 1, 1406 r 2
2. 1563 r 1, 933 r 2, 1046 r 1
3. 1393 r 4, 893 r 5, 1103 r 1
4. 1171 r 1, 779 r 2, 705 r 4
5. 1193 r 1, 748 r 3, 1066 r 6

Think. Answers will vary but the 4-digit number must be divided by 8 or 9 and have an answer with a remainder of 7.

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1. Day 1 £6188, Day 2 £7497, Day 3 £9826
2. Day 1 £5544, Day 2 £6672, Day 3 £8580
3. Day 1 £2304, Day 2 £6822, Day 3 £10 944

Think. 443 × 13 = 5759,
318 × 19 = 6042

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1. Day 1 £5152, Day 2 £7472, Day 3 £19 936
2. Day 1 £7319, Day 2 £11 427, Day 3 £28 366
3. Day 1 £10 020, Day 2 £15 084, Day 3 £44 196

Think. 4

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1. Ice-cream vouchers from 12pm to 1pm: 50 772
2. Ice-cream vouchers from 1pm to 2pm: 78 324
3. Ice-cream vouchers from 2pm to 3pm: 29 208
4. Water vouchers from 12pm to 1pm: 63 465
5. Water vouchers from 1pm to 2pm: 97 905
6. Water vouchers from 2pm to 3pm: 36 510
7. Juice vouchers from 12pm to 1pm: 67 696
8. Juice vouchers from 1pm to 2pm: 104 432
9. Juice vouchers from 2pm to 3pm: 38 944

Think. 5432 × 16 = 86 912, 3456 × 12 = 41 472

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Estimates also given for each answer:

1. 5000 × 20 = 10 000; 4983 × 18 = 89 694
2. 3000 × 20 = 60 000; 2648 × 18 = 47 664
3. 8000 × 20 = 160 000; 7553 × 18 = 135 954
4. 4000 × 20 = 80 000; 3759 × 18 = 67 662
5. 8000 × 20 = 160 000; 8136 × 18 = 146 448
6. 9000 × 20 = 180 000; 9254 × 18 = 166 572
7. 7000 × 20 = 140 000; 6613 × 18 = 119 034
8. 8000 × 20 = 160 000; 8496 × 18 = 152 928

Think. 3

Page 63

1. 472 ÷ 3 = 157 $\frac{1}{3}$
2. 158 ÷ 4 = 39 $\frac{1}{2}$
3. 729 ÷ 6 =121 $\frac{1}{2}$
4. 6257 ÷ 5 = 1251 $\frac{2}{5}$
5. 8238 ÷ 6 = 1373
6. 3279 ÷ 4 = 819 $\frac{3}{4}$
7. 327 × 16 = 5232
8. 472× 12 = 5664
9. 635 × 13 = 8255
10. 2341 × 12 = 28 092
11. 4279 × 14 = 59 906
12. 3524 × 16 = 56 384

Think. Answers will vary.

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1. Area 15 cm², Perimeter 16 cm
2. Area 24 cm², Perimeter 20 cm
3. Area 35 cm², Perimeter 24 cm
4. Area 24 cm², Perimeter 22 cm
5. Area 24 cm², Perimeter 28 cm
6. Area 36 cm², Perimeter 24 cm

Think. 26 cm, 32 cm, 20 cm.