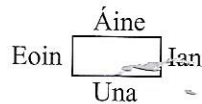


Chapter 41 Problems

Page 173 Who's who?



Books	green
	orange
	red
	blue

Chapter 43 Problem-solving

- Page 177 1. Nicola = 7yrs, Hanna = 10yrs, Paudie = 12yrs
 2. Ben = yellow, Ryan = blue, Gayle = red, Yvonne = green
 3. Jan has 6 of each coin 4. 9586

- Page 178 1. Steve beat Ray by 2 metres 2. Toni, 1m 16cm
 3. the antelope is 5 metres ahead 4. 6 balls

Chapter 44 Word-to-number puzzles

- Page 179 1. (a) How many bags were left? (b) (i) number of bags altogether (ii) 68
 2. (a) How many sweets does each child get? (b) (i) number of sweets altogether (ii) 15
 3. (a) How many apples in each bag? (b) (i) number of good apples (ii) 4
 4. (a) What is the third number? (b) (i) the sum of the 3 numbers (ii) 12
 5. (a) What do 10 cost? (b) (i) the cost of one CD (ii) €194.50

- Page 180 1. (a) $(330 + 440 + 550) \div 2$ ans = 660 (b) $(1282.00 \div 8) \times 3$ ans = €480.75 (c) $(1416 \div 2) \times 5$ ans = 3540
 (d) $(60 \times 3) + 35$ ans = 215mins (e) $(365 \times 11) + (48 \times 7)$ ans = 4351 (f) $(40 \div 2) - 14$ ans = 6cm
 (g) $(28 \div 4) \times (28 \div 4)$ ans = 49cm² (h) $(18 \times 12) - €73.50$ ans = €142.50
 (i) $96 - (11.5 \times 4)$ ans = €50 (j) $180^\circ - (60^\circ + 75^\circ)$ ans = 45°
 2. (a) 278 (b) 19 (c) 90 (d) 17.1 (e) 8 (f) 92 (g) 456 (h) 7.73 (i) 328

Chapter 45 Look back

- Page 181 1. (a) 42 563 (b) 50 638 (c) 65 048 2. (a) 17 976 (b) 56 000 (c) 38 019 (d) 93 587
 3. (a) Twenty-eight thousand three hundred and seventy-six
 (b) Fifteen thousand two hundred and thirty-six
 (c) Seventy-four thousand nine hundred and eighty-six
 (d) Thirty-eight thousand one hundred and twenty-seven
 (e) Ninety-six thousand eight hundred and ninety-seven
 (f) Forty-nine thousand and twenty-seven
 (g) Sixty thousand seven hundred and thirty-two (h) Forty thousand eight hundred and sixty-five
 (i) Ninety-four thousand and ninety (j) Fifty thousand three hundred and seven
 4. (a) (i) three hundred (ii) 300 (b) (i) forty thousand (ii) 40 000 (c) (i) three thousand (ii) 3000
 (d) (i) twenty (ii) 20 (e) (i) sixty thousand (ii) 60 000 (f) (i) nine hundred and twenty (ii) 920
 (g) (i) eight thousand six hundred (ii) 8600 (h) (i) five hundred and twenty (ii) 520
 (i) (i) sixty-five thousand (ii) 65 000 (j) (i) nine hundred (ii) 900
 5. (a) 67 690 (b) 69 996 (c) 97 094 (d) 87 577 (e) 79 634
 6. (a) 73 601 (b) 68 481 (c) 38 697 (d) 47 596
 7. (a) 26 223 (b) 32 474 (c) 25 268 (d) 33 449 (e) 45 477
 8. (a) 35 189 (b) 46 356 (c) 41 559 (d) 32 485 (e) 44 489 (f) 42 269
 9. (a) 51 714 (b) 37 269 (c) 71 526 (d) 75 914
 10. 13 659 11. 21 034 12. 69 633

- Page 182 1. (a) trapezium (b) rhombus (c) isosceles triangle (d) octogon (e) hexagon
 2. (a) triangular prism (b) tetrahedron (c) cylinder (d) cuboid (e) squared based pyramid
 3. (a) 815 (b) 2484 (c) 3704 (d) 3576 (e) 5978
 4. (a) 110.4 (b) 197.6 (c) 319.5 (d) 299.6 (e) 320.4
 5. (a) 269.29 (b) 186.08 (c) 236.24 (d) 451.71 (e) 461.22
 6. (a) 155.84 (b) 142.27 (c) 322.42 (d) 399.06 (e) 536.76
 7. (a) 2582.4 (b) 3348 (c) 1361.6 (d) 2169.2 (e) 4832.1
 8. (a) 68.134 (b) 76 (c) 50.654 (d) 87.248 (e) 90.096

9. (a) 790.51 (b) 833.22 (c) 899.54 (d) 944.82 (e) 919.24
 10. (a) 0.6 (b) 0.9 (c) 1.3 (d) 4.7 (e) 0.03 (f) 0.17 (g) 3.08 (h) 4.29
 11. (a) 1.2 (b) 3.7 (c) 6.4 (d) 4.7 (e) 0.003 (f) 0.017 (g) 0.238 (h) 7.168
 12. (a) $\frac{4}{8}$ (b) $\frac{3}{12}$ (c) $\frac{6}{8}$ (d) $\frac{9}{12}$ (e) $\frac{1}{3}$ (f) $\frac{3}{4}$
 13. (a) $\frac{1}{2}$ (b) $\frac{3}{4}$ (c) $\frac{7}{8}$ (d) $1\frac{1}{2}$ (e) $1\frac{1}{4}$ (f) $1\frac{1}{4}$
 14. (a) $\frac{1}{8}$ (b) $\frac{5}{12}$ (c) $\frac{5}{12}$ (d) $\frac{3}{8}$ (e) $\frac{3}{12}$ (f) $\frac{3}{10}$
 15. (a) $4\frac{1}{4}$ (b) $4\frac{1}{6}$ (c) $3\frac{3}{4}$ (d) $4\frac{1}{6}$ (e) $4\frac{2}{3}$ (f) $4\frac{1}{4}$
 16. (a) $1\frac{1}{4}$ (b) $2\frac{1}{4}$ (c) $1\frac{1}{2}$ (d) $2\frac{1}{8}$ (e) $2\frac{1}{6}$ (f) $2\frac{1}{6}$
 17. (a) $1\frac{1}{3}$ (b) 2 (c) $1\frac{1}{2}$ (d) $3\frac{1}{3}$ (e) $3\frac{3}{8}$ (f) $6\frac{1}{8}$
 18. (a) 2 (b) 4 (c) $5\frac{1}{3}$ (d) $4\frac{3}{8}$ (e) $3\frac{2}{3}$ (f) $6\frac{7}{10}$

- Page 183**
 1. (a) 18 (b) 29 (c) 26 (d) 56 (e) 24
 2. (a) 24 (b) 9 (c) 9 (d) 8 (e) 8
 3. (a) 18 (b) 24 (c) 19 (d) 15 (e) 14
 4. (a) 0.46 (b) 0.38 (c) 0.26 (d) 0.35 (e) 0.18
 5. (a) 2.4 (b) 2.7 (c) 0.17 (d) 0.19 (e) 0.16
 6. (a) 1.7cm (b) 2.9cm (c) 3.8cm (d) 0.9cm (e) 5.6cm (f) 7.4cm
 7. (a) 1.76m (b) 2.35m (c) 4.96m (d) 0.53m (e) 8.07m (f) 9.7m
 8. (a) 1.568km (b) 2.896km (c) 4.500km (d) 9.100km (e) 3.270km (f) 4.080km (g) 1.176km (h) 3.018km (i) 4.007km (j) 2.200km (k) 1.750km (l) 3.800km
 9. (a) 1235g (b) 3762g (c) 1580g (d) 4060g (e) 5007g (f) 3605g
 10. (a) 6.85kg (b) 9.357kg (c) 8.654km (d) 7.55km
 11. (a) 6.123l (b) 5.078l (c) 3.757l (d) 4.507l (e) 4.668l (f) 4.007l (a) lime (b) orange / lemonade (d) 150 (e) $\frac{1}{10}$ (f) 10% (g) 25 (h) 25 (i) 20%

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fraction	$\frac{7}{50}$	$\frac{9}{50}$	$\frac{19}{50}$	$\frac{3}{5}$	$\frac{1}{25}$	$\frac{72}{100}$	$\frac{18}{25}$	$\frac{83}{100}$	$\frac{89}{100}$	$\frac{23}{25}$
decimal	0.14	0.18	0.38	0.6	0.04	0.72	0.78	0.83	0.89	0.96
percentage	14%	18%	38%	60%	4%	72%	78%	83%	89%	96%

2. (a) 651 (b) 625 (c) 232 (d) 679 (e) 891
 3. (a) 714 (b) 748 (c) 822 (d) 623 (e) 865
 4. (a) 136 (b) 127 (c) 336 (d) 477 (e) 8 (f) 21 (g) 168 (h) 392
 5. (a) 20% (b) 80% (c) 74% (d) 75%
 6. (a) 1hr 4mins (b) 1hr 18mins (c) 1hr 40mins (d) 1hr 55min (e) 2hrs (f) 2hrs 8mins (g) 2hrs 39mins (h) 2hrs 56mins (i) 3hrs 2mins (j) 3hrs 20mins
 7. (a) 67mins (b) 72mins (c) 116mins (d) 125min (e) 158mins (f) 179mins (g) 194mins (h) 228mins
 8. (a) 5hrs 15mins (b) 16hrs 18mins (c) 7hrs 25mins (d) 24hrs 2mins
 9. (a) 09:15 (b) 15:45 (c) 08:28 (d) 23:35 (e) 18:32
 10. (a) 3:24am (b) 2:35pm (c) 5:38pm (d) 9:16am (e) 11:46pm
 11. (a) 1hr 15mins (b) 2hrs 22mins (c) 4hrs 34mins (d) 2hrs 31mins (e) 3hrs 45mins (f) 3hrs 7mins
 12. 3hrs 42mins

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1. (a) €8.32 (b) €19.64 (c) €4.62 (d) €4.62 (e) €5.64 (f) €23.22
 2. (a) 72c (b) €29.30 (c) €3.48 (d) €25.92
 3. (a) (i) 41cm² (ii) 28cm (b) (i) 33cm² (ii) 44cm (c) (i) 51cm² (ii) 40cm
 4.

length	75cm	5cm	8cm	7cm	12cm	10cm	6cm	8cm	8cm	9cm
width	6cm	8cm	11cm	9cm	8cm	8cm	6cm	7cm	9cm	9cm
perimeter	26cm	26cm	38cm	32cm	40cm	36cm	24cm	30cm	34cm	36cm
area	42cm²	40cm²	88cm²	63cm²	96cm²	80cm ²	36cm²	56cm ²	72cm ²	81cm²

5. (a) - (b) x (c) - (d) x (e) ÷ (f) ÷ (g) x (h) ÷ (i) +
 6. (a) 24 (b) 36 (c) 50 (d) 20 (e) 24 (f) 90 (g) 220 (h) 342 (i) 714 (j) 1460 (k) 756 (l) 790
 7. (a) 18 (b) 22 (c) 64 (d) €2.93 (e) 4.03m (f) €18.02 (g) 4.565kg

Page 186

1. €8704
 2. €36
 3. 87 men
 4. 24cm
 5. 75cm 2mm
 6. 11.43cm
 7. 4.42pm
 8. €384
 9. 3km 665m
 10. 34.725kg
 11. (i) 219 (ii) 58412. (I) 18m (ii) 342m² (iii) €684.00
 13. €1724
 14. €828.75
 15. 63