

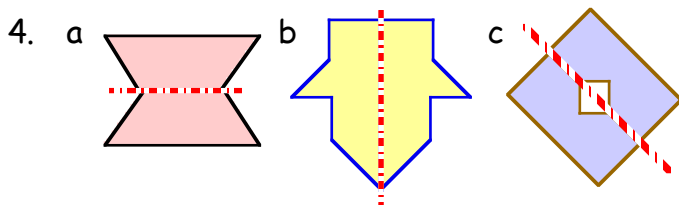
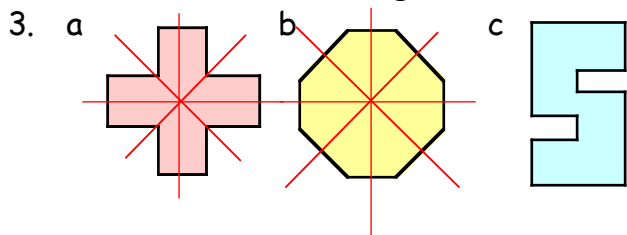
Book 2a - Answers to Revisit-Review-Revise Exercises

Chapter 1 Page 13

- Fifty eight thousand three hundred and nine
- a 74601 b 62012
- 90009, 89080, 89010, 89001, 78892, 78029
- a P = 660, Q = 820, R = 6750, S = 6880
- a 1300 b 59000
- a 117 b 207
c 6000 d 35
e 1150 f 1700
g 12399 h 5914
- 36
- a 9223 b 3677
c 4873 d 30049
- a 80 b 390
c 3000
- a 700 b 9000
c 45500
- a 130 b 300
c 10000 d 7000

Chapter 2 Page 19

- If you can fold a shape over a line and the two halves match up exactly without any overlap, then the line is a line of symmetry.
- a 1 b 4 c 6 d 0
e 2 f 1 g 5 h 3



Chapter 3 Page 27

- a 248 b 73248 c 7281 d 18744
- a 58 b 1249 c 1213 d 247
- a 270 b 31800 c 60200 d 90000
e 830 f 600 g 720 h 5
- a 3417 b £2695 c 739
d £1185 e 2880 g
- a 8532 b 58
- a ÷ b + c - d x

Chapter 4 Page 36

- a 0750 b 1605 c 2335
d 1200 e 0030 f 2240
- a 6.05 am b 3.50 pm
c 11.57 am d 11.57 pm
- 4 hr 40 mins
- 2.10 pm
- a 30 min b 5 hr 30 min c 1950
- a (i) 30 (ii) 31 b 16 days
- a Jack by 41 sec
b 23 mins 55 sec
- 1730

Chapter 5 Page 51

- 5.63
- a 10's b 100ths c 10ths d 1000ths
- a 7.75 b 7.8
- a 6 b 10 c 71 d 85
- a 9.9 b 1.6 c 23.6 d 951.2
- a 10 b 13.05 c 6.1 d 0.54
- a 6.31 b 31.22 c 6.5 d 11.78
e £8.81 f £39.51 g £0.08
h 47.68 i £11.48 j £47.45
- 43 pence
- a £22.80 b £2.20

Chapter 6 Page 60-61

- a right b straight c reflex
d acute e obtuse f obtuse
- a $54^\circ, 4^\circ, 40^\circ, 67^\circ$ b $122^\circ, 179^\circ, 111^\circ, 99^\circ$
c 90° d 180° e $189^\circ, 200^\circ$
- a $\angle ACB$ b $\angle PTV$ c $\angle GHK$
d $\angle FLP$ e $\angle SBA$ f $\angle OEA$
- a $33^\circ(\pm 2^\circ)$ b $120^\circ(\pm 2^\circ)$ c $28^\circ(\pm 2^\circ)$
d $57^\circ(\pm 2^\circ)$ e $126^\circ(\pm 2^\circ)$ f $14^\circ(\pm 2^\circ)$
g $41^\circ(\pm 2^\circ)$ h $57^\circ(\pm 2^\circ)$ i $120^\circ(\pm 2^\circ)$
- See Pupils' drawings
- a 90° b 270°
c 225° d 315°
- North East
- a West b 135°

Chapter 7 Page 68

- a 5.3 b 242.47 c 12.3 d 690
e 500.2 f 2870 g 2.71 h 0.075
i 8.7 j 0.0123 k 4.87 l 0.0261
- a 16.38 b 21.18 c 1.69 d 2.85
- £2.72
- a 8.5 tins (9 tins) b £58.50
- £43.60
- 81.675 litres
- 12.6 miles per litre
- Laser - 7.2p, Print Out - 7.3p
Laser slightly cheaper by 0.1p per disc
or 10p per 100

Chapter 8 Page 79

- a £5.75 b £5 note, 50p, 20p, 5p
- a £18.67 b £16.97 c £22.89 d £1.87
- 18p and 16p each - Pack of 6 is better
- 70p and 65p per 100ml - smaller is better
- a £23.85 b £95.40
- a £67.20 b £62.50 (£56 children)

Chapter 9 Page 87

- a pentagon b octagon
- hexagon, isosceles triangle, square,
equilateral triangle, rectangle, kite,
semi-circle
- a isosceles b equilateral c scalene
- a obtuse b acute c right

- BNG is an acute angle isosceles triangle
- 8 cm
- see drawing
- 18 metres

Chapter 10 Page 96

- a 12 b 9 c 7
- a 8 b 6 c 27
d 24 e 6 f 0
g 7 h 1.2 i 75
- a - b x c \div
d + e \div f x
g + h - i \div
- a 9 b 31 c 7
d 21 e 20 f 8
- a $* + 16 = 55$ b $* = 39$
- a (i) 42 (ii) 7
b (i) 5 (ii) 38

Chapter 11 Page 106

- a $\frac{4}{9}$ b $\frac{3}{5}$ c $\frac{3}{8}$
- a $\frac{5}{9}$ b $\frac{2}{5}$ c $\frac{5}{8}$
- a $\frac{3}{9}$ b $\frac{8}{20}$ c $\frac{11}{13}$
- a $\frac{2}{10}$ $\frac{3}{15}$ b $\frac{6}{16}$ $\frac{9}{24}$ c $\frac{14}{20}$ $\frac{21}{30}$
- a $\frac{1}{3}$ b $\frac{2}{3}$ c $\frac{3}{4}$
- a £8 b 8 g c 9 euros
- a 9 b 6 c 9
- a 36 ml b \$120 c £2100
- 120 ml

Chapter 12 Page 112

- a pink - 64%, yellow - 32%, blue - 4%
b purple - 25%, yellow - 37%, blue - 38%
- a $\frac{77}{100}$ b $\frac{51}{100}$ c $\frac{19}{100}$ d $\frac{7}{100}$
- a 0.61 b 0.38 c 1.25 d 0.04
- a $\frac{17}{100}, 0.17$ b $\frac{69}{100}, 0.69$
c $\frac{7}{100}, 0.07$ d $\frac{30}{100}, 0.3$
- a 33% b 98% c 3% d 1%
- a 15p b 9 mm c £7.50 d 70p
- a Wh - 9900, Br - 6300, Fr - 1800
b 36 c (i) 5250 ft (ii) 9750 ft

Chapter 13a Page 121

- a 7.4 cm b 5.0 cm
- a (i) 89 mm (ii) 8.9 cm (iii) 8 cm 9 mm
b (i) 32 mm (ii) 3.2 cm (iii) 3 cm 2 mm
- a See line 125 mm long
- a 500 cm b 300 mm c 4700 m
d 8 km e 3.4 m f 6 cm
g 8.2 km h 510 cm i 1230 cm
j 0.095 m k 169 mm l 9.2 m
- 125 mm
- 21.9 cm
- 15 cm
- $5 \text{ m} \times \text{£}17/\text{m} = \text{£}85$

Chapter 13b Page 129

- a 16 cm^2 b 15 cm^2
- a drawing b 20 boxes c 20 cm^2
- a 66 cm^2 b 64 m^2
- a 28 m^2 b $\text{£}196$
- a drawing b 32 cm^2 c 16 cm^2
- 70 m^2

Chapter 13c Page 140

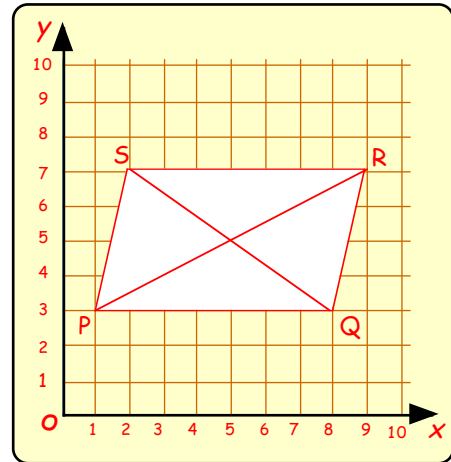
- bucket, kettle, cup, spoon
- 4 weeks
- a 5 b 30 c 4 d 16
- 650 ml
- a 12 cm^3 b 32 cm^3
- a (i) 3000 ml (ii) 39000 ml (iii) 6200 ml
b (i) 8 litres (ii) 40 litres (iii) 0.32 l
- a 300 cm^3

Chapter 13d Page 144

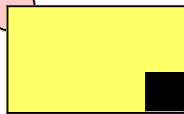
- elephant - tiger - monkey - snake - tarantula
- a 8000 g b 12000 g c 14500 g
d 31000 g e 63000 g f 5800 g
g 2700 g h 9042 g i 21006 g
- a 7 kg b 17 kg c 40 kg
d 6.8 kg e 18.9 kg f 7.35 kg
g 4.008 kg h 8.06 kg i 10.005 kg
- 700 g or 0.7 kg
- 24 kg 650 g
- 3 kg 50 g
- 150 g

Chapter 14 Page 151

- a (i) D (ii) A (iii) B (iv) F
b (i) (5,2) (ii) (0,7) (iii) (8,8) (iv) (7,4)
c (i) BCEP (ii) B(4,7),C(2,5),E(5,2),P(7,4)
d A e G
f (i) C,Q or P,F (ii) G, B
g K and R
- a/b



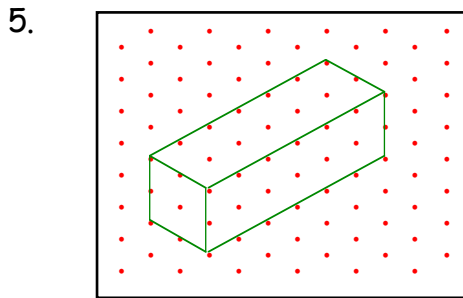
Chapter 15 Page 159

- a/b 
- a start at 15 and go up by 6 each time
b 45, 51, 57
- a start at 60 and go down by 9 each time
b 24, 15, 6
- a start at 12, go up by 4 - 32, 36, 40
b start at 2, go up by 14 - 72, 86, 100
c start at 74, drop by 5 - 54, 49, 44
d start at 2.3, up by 1.4 - 9.3, 10.7, 12.1
- N, O, Q, R
- a 24 b 6, 12, 18, 24, 30, 36
c start with 6 bricks for pattern 1 and add on 6 bricks for each new pattern
- 36, 49

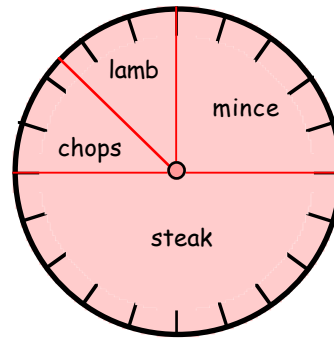
Chapter 16 Page 167

- a cube b cuboid
c sphere d cone
e hemi-sphere f triangular prism
g cylinder h square pyramid
- a 4 cones, a cylinder and a cuboid
b a hemi-sphere, a cube and a pyramid

3. a 7 b 12
 c ... 7 ... hexagon ... isosceles triangles
4. square pyramid b triangular prism



6.



Chapter 17 Page 172

1. a 3, 6, 9, 12, 15, 18
 b 7, 14, 21, 28, 35, 42
 c 12, 24, 36, 48, 60, 72
2. a 32, 36, 40, 44, 48
 b (45), 54, 63, 72, 81
3. a 18 b 28 c 70
4. 60
5. a 1, 2, 3, 6
 b 1, 2, 4, 8, 16, 32, 64
 c 1, 3, 5, 15, 25, 75
6. a 4 b 5 c 8
7. 6
8. a 12 pm b 6 pm
9. a 5 b 180

Chapter 18 Page 186

1. a Clear - 1200, Lime - 400
 Orange - 1100, Peach - 1000
 Lemon - 300 b 4000 bottles
2. a USA - 8, Spain - 11, Cyprus - 2
 Britain - 5, Greece - 4
 b see graph
3. a $\frac{1}{8}$ b (i) $\frac{1}{4}$ (ii) $\frac{1}{4}$ (iii) $\frac{3}{8}$
 c (i) 20 (ii) 30 (iii) 10 (iv) 20
4. a (i) 3 (ii) 2 (iii) 4
 b 10 c Roger d Roger
 (these results are open to interpretation)
5. see graph