

16. £5.18
17. £15.60
18. 7 white and 3 red
19. a £260 b 8p c £5.12
d £22 517 998 140 000 !!!!
e Person obviously stopped paying.

Answers to CHAPTER 9 (page 80)

Chapter 9 - Exercise 1 (page 80)

1. a pentagon b kite
c triangle d rhombus
e circle f parallelogram
g square h rectangle
2. a/b pentagon c 5 d 5
3. a 6 b/c hexagon
4. pentagon, hexagon, heptagon, octagon, nonagon, decagon
5. a 5 squares b square and circle
c 4 hexagons
d rectangle and 2 squares
e pentagon and 2 squares
f octagon and 8 squares
g rectangle and 4 triangles
h hexagon - 6 green and 6 yellow triangles
i square and 4 triangles
6. a/b see pupils' drawings and display

Chapter 9 - Exercise 2 (page 82)

1. a/b scalene 2. a/b isosceles
3. a/b equilateral
4. a isosceles b equilateral
c isosceles d scalene
e equilateral f isosceles
g scalene h isosceles

Chapter 9 - Exercise 3 (page 83)

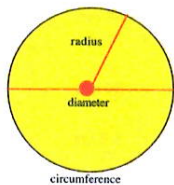
1. a obtuse b right
c acute d acute
e obtuse f acute
2. a ΔKTL b ΔEFG c ΔMRQ
d ΔDSI e ΔYVN f ΔPNZ

Chapter 9 - Exercise 4 (page 84)

1. ΔLMK is a right angled scalene triangle
2. ΔNWT is an acute angled isosceles triangle
3. a ΔMFW ...right angled isosceles ...
b ΔRGS ...acute angled scalene ...
c ΔPDE ...acute angled equilateral ...
d ΔEWM ...obtuse angled scalene ...
e ΔTKC ...right angled scalene ...
f ΔRVQ ...acute angled isosceles ...

Chapter 9 - Exercise 5 (page 85)

1.



2. 7 cm
3. 50 mm
4. a 7 cm b 3.5 cm
5. a see pupil's sketch b 12 cm
6. 48 cm by 16 cm
7. a 4 cm b 2 cm
8. a 7 cm b 3.5 cm c 8.5 cm
9/10/11 see pupils designs

The Answers to Book 2a

Answers to CHAPTER 10 (page 88)

Chapter 10 - Exercise 1 (page 88)

1. a (i) 15 (ii) 60 (iii) 180 (iv) 6.9 (v) 0
b (i) 3 (ii) 9 (iii) 2000 (iv) 3:2 (v) 7:1
2. a (i) 1 (ii) 4 (iii) 0.5 (iv) 35 (v) 0
b (i) 25 (ii) 50 (iii) 88 (iv) 10.5 (v) 1010
3. a 17 b 10 c 90 d 25
e 42 f 8 g 200 k 0.8
4. a 1 b 7 c 17 d 66
5. a 8 b 40 c 9
d 560 e 0.5 f 40000
6. a 9 b 9 c 10
d 14 e $x7(+36)$ f -9
7. a 28
b (i) 21 (ii) 56 (iii) 0 (iv) 80
c (i) 21 (ii) 5 (iii) 11 (iv) 101
8. a 7,14,21,28,35,42p b $\times 7$ c 105p
9. a 5,10,15,20,25,30 b $\times 5$ c 70

Chapter 10 - Exercise 2 (page 91)

1. a 3 b 9 c 6
2. a 14 b 0 c 12
d 8 e 9 f 12
g 7 h 0 i 13
j 31 k 5 l 11
m 7 n 9 o 5
p 0 q 32 r 56
s 7 t 9 u 7
3. a + b - c x
d ÷ e - f x
g + h ÷ i -
4. a 7 b 6 c 7
d 12 e 17 f 9
5. a Jar A = 7, Jar B = 10, B heavier by 3
6. a 14 cm b 9 cm c 15 cm d 15 cm
7. a $53 + * = 72$ b £19
8. a $18 - * = 3$, \Rightarrow ate 15 sweets
b $7 \times * = 119$, \Rightarrow euro weighs 17 grams
c $* \div 8 = 9$, \Rightarrow 72 lettuces
d $1.4 + * = 3.2$, \Rightarrow ham weighs 1.8 kg
e $8 \times * = 7.52$, \Rightarrow lemonsp costs 94p
f $72 \div * = 6$, \Rightarrow cut into 12 lengths
g $* - 9 = 51$, \Rightarrow Mr Galbraith is 60
9. a $6 \times * = 48$ b length = 8 cm
10. a $35000 - * = 29500$ b dropped by 5500 ft
11. Think of number as *
 $\Rightarrow * \times 2 = 2* + 10 \Rightarrow$ then $2* + 10 = 2 = * + 5$
 $\Rightarrow * + 5 - 5 = *$ (the number you began with)

Chapter 10 - Exercise 3 (page 94)

1. a 7 b 4 c 15
d 0 e 10 f 16
g 16 h 13 i 14
j 5 k 9 l 7
m 3 n 8 o 42
p 64 q 77 r 16
2. a 6 b 16 c 9
d 36 e 0 f 100
g 4 h 9 i 7
j 26 k 6 l 8
3. a $a + 6 = 13$, $a = 7$ b $b + 7 = 22$, $b = 15$
c $2 \times c = 20$, $c = 10$ d $4 \times d = 36$, $d = 9$
e $3 \times e = 120$, $e = 40$ e $f + 25 = 45$, $f = 20$
4. $25 + d = 63$, Donald is 38
5. $c \times 4 = 1000$, Cost is £250
6. $8 \times t = 56$, there are 7 octopuses
7. $s - 240 = 965$, 1205 grams to begin with
8. $9 \times * = 54$, would take him 6 mins
9. $c + 23 = 51$, there are 28 chimps
10. $b \div 3 = 16$, there were 48 balloons
11. Ahmed is 10, his dad is 30

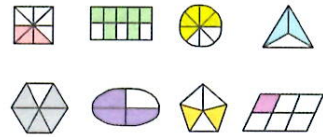
Answers to CHAPTER 11 (page 97)

Chapter 11 - Exercise 1 (page 97)

1. $\frac{1}{4}$ 2. $\frac{1}{3}$
3. a $\frac{1}{5}$ b $\frac{1}{6}$ c $\frac{1}{10}$ d $\frac{1}{8}$
e $\frac{1}{9}$ f $\frac{1}{16}$ g $\frac{1}{5}$ h $\frac{1}{4}$

Chapter 11 - Exercise 2 (page 98)

1. a $\frac{1}{2}$ b $\frac{7}{8}$ c $\frac{2}{3}$ d $\frac{5}{7}$
e $\frac{2}{3}$ f $\frac{8}{18}$ g $\frac{3}{4}$ h $\frac{13}{18}$
i $\frac{3}{4}$ j $\frac{3}{5}$ k $\frac{5}{9}$ l $\frac{3}{4}$
2. a $\frac{1}{2}$ b $\frac{1}{8}$ c $\frac{1}{3}$ d $\frac{2}{7}$
e $\frac{1}{3}$ f $\frac{10}{18}$ g $\frac{1}{4}$ h $\frac{5}{18}$
i $\frac{1}{4}$ j $\frac{2}{5}$ k $\frac{4}{9}$ l $\frac{1}{4}$
3. a $\frac{4}{15}$ b $\frac{6}{15}$ c $\frac{1}{15}$ d $\frac{2}{15}$
4. a 5 boxes shaded b 7 boxes shaded
c 2 boxes shaded
5. a



Chapter 11 - Exercise 3 (page 100)

1. $\frac{1}{2}$, $\frac{1}{3}$, $\frac{9}{15}$, $\frac{3}{6}$, $\frac{3}{5}$, $\frac{3}{9}$
a $\frac{1}{2} = \frac{3}{6}$ b $\frac{1}{3} = \frac{3}{9}$ c $\frac{9}{15} = \frac{3}{5}$
2. a $\frac{2}{10}$ b $\frac{3}{15}$ c $\frac{10}{50}$
3. a $\frac{4}{6}$ b $\frac{6}{9}$ c $\frac{8}{12}$, $\frac{10}{15}$, $\frac{12}{18}$, $\frac{14}{21}$
4. a $\frac{2}{4}$ b $\frac{4}{10}$ c $\frac{6}{14}$
d $\frac{10}{16}$ e $\frac{18}{20}$ f $\frac{22}{30}$
5. a $\frac{3}{6}$ b $\frac{6}{15}$ c $\frac{9}{21}$
d $\frac{15}{24}$ e $\frac{27}{30}$ f $\frac{33}{45}$
6. various
7. a $\frac{3}{4}$ b $\frac{1}{6}$ c $\frac{5}{7}$
d $\frac{3}{8}$ e $\frac{9}{10}$ f $\frac{43}{50}$
8. a $\frac{1}{2}$ b $\frac{2}{3}$ c $\frac{3}{4}$
d $\frac{3}{5}$ e $\frac{6}{7}$ f $\frac{9}{9}$
9. a $\frac{5}{6}$ b $\frac{2}{5}$ c $\frac{1}{3}$ d $\frac{1}{2}$
e $\frac{2}{5}$ f $\frac{2}{3}$ g $\frac{3}{4}$ h $\frac{2}{3}$