CHECK-UP TEST | Measurement

Schofield & Sims

A

70p =	£0.70
2p =	£0.02
£0.63 =	63p
£0.19 =	19p
£0.04 =	4p
£1.37 =	13 10ps 7p
£3.09 =	15 20ps 9p
£10.80 =	108 10ps 0p
seven 10ps + six 2ps =	82p
three 50ps + nine 10ps =	£2.40
three 10ps + five 5ps + 9p =	64p
£0.85 = five 10ps + 5ps =	7 5ps
£1.20 = twelve 5ps + 20ps =	3 20ps
£2.30 = three 50ps + 20ps =	4 20ps

B

9p + 3p + 17p =	29p
15p + 8p + 6p =	29p
14p + 7p + 12p =	33p
5p + 11p + 15p + 4p =	35p
6p + 19p + 21p + 18p =	64p
37p + 85p =	£1.22
£1.03 + 49p =	£1.52
£2.57 + £0.60 =	£3.17
43p – 19p =	24p
95p – 18p =	77p
£1.10 – 84p =	26p
£1.70 – 93p =	77p
£2.30 – £0.80 =	£1.50
£2.06 – £1.40 =	66p

C Find the cost of

10 at 15p each	£1.50
100 at 3p each	£3.00
9 at 13p each	£1.17
8 at 27p each	£2.16
5 at 45p each	£2.25
19 at 4p each	76p
27 at 7p each.	£1.89

Find the cost of 1 when

10 cost £2.70	27p
100 cost £15	15p
6 cost 84p	14p
4 cost £0.72	18p
7 cost £2.24	32p
9 cost £3.06.	34p

D Find the change from

20p after spending	a 3p	17p	b 8p	12p
20p after spending	a 12p	8p	b 14p	6p
50p after spending	a 37p	13p	b 19p	31p
	c 26p	24p	d 5p	45p
£1 after spending	a 81p	19p	b 66p	34p
	c 45p	55p	d 7p	93p
£5 after spending	a 73p	£4.27	b £4.09	91p
	c £2.54	£2.46	d £1.98	£3.02

E Make up the given amounts using the least number of coins. The first one is done for you.

Amount	50p	20p	10p	5p	2p	1p
23p		1			1	1
39p		1	1	1	2	
67p	1		1	1	1	
78p	1	1		1	1	1
86p	1	1	1	1		1
94p	1	2			2	

F

84cm =	0.84m
309cm =	3.09m
1075mm =	1.075m
2305mm =	2.305m
750mm =	0.75m
100m =	0.1km
925m =	0.925km
1605m =	1.605km
860g =	0.860kg
1400g =	1.4kg
700ml =	0.7l
3310ml =	3.31l

G

20.4cm =	204mm
1.5m =	1500mm
2.65m =	2650mm
0.85m =	85cm
8.37km =	8370m
0.6km =	600m
10.075km =	10075m
1.325kg =	1325g
0.05kg =	50g
3.72kg =	3720g
1.3l =	1300ml
4.25l =	4250ml

H Find the cost of

500g at 76p per kg	38p
100g at 50p per kg	5p
250g at 36p per kg	9p
200g at £1.20 per kg	24p
1.5kg at 64p per kg	96p
100g at 45p per $\frac{1}{2}$kg	9p
300g at £1.10 per $\frac{1}{2}$kg	66p
25cm at 92p per m	23p
10cm at £3.50 per m	35p
60cm at £2.20 per m	£1.32
1.3l at 60p per l	78p
800ml at 50p per l	40p

I

How many min in $\frac{3}{4}$h	45min
min in $1\frac{1}{4}$h	75min
seconds in 5min	300s
weeks in 1 year	52wk
days in 1 year	365d
days in April	30d
days in July	31d
days in October?	31d

J Change to 24-hour clock times.

7.35 a.m.	07:35
12.05 p.m.	12:05
3.27 p.m.	15:27
10.55 p.m.	22:55

Change to 12-hour clock times. Use a.m. or p.m.

09:20	9.20 a.m.
14:56	2.56 p.m.
00:35	12.35 a.m.
21:16	9.16 p.m.

K Find the period of time between

8.35 a.m. and 10.16 a.m.	1h 41min
5.25 a.m. and noon	6h 35min
4.30 p.m. and 7.20 p.m.	2h 50min
11:35 and 14:15	2h 40min
03:40 and 06:10.	2h 30min

How many days inclusive

from 28 Jan to 9 Feb	13 d
from 17 May to 5 June	20 d
from 26 Nov to 3 Jan?	39 d

CHECK-UP TEST | Measurement and geometry

A Approximate to the nearest

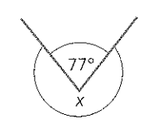
whole number	49.55	50
whole number	$20\frac{2}{5}$	20
hundred	6057	6100
hundred	19503	19500
thousand	59770	60000
thousand	109495	109000
£1.00	£27.50	£28

B Approximate to the nearest

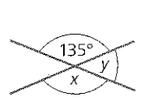
metre	8m 59cm	9m
metre	19m 700mm	20m
kilogram	16kg 50g	16kg
kilogram	7.55kg	8kg
$\frac{1}{2}$kg	9kg 800g	10kg
$\frac{1}{2}$kg	6.55kg	6.5kg
litre	39.87l	40l

Find to the nearest penny. a $\frac{1}{10}$ of 97p 10p b $\frac{1}{3}$ of £2.50 83p c $\frac{£3.35}{4}$ 84p

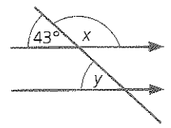
C How many degrees in each of the angles x and y?



angle x 283°



angle x 135°
angle y 45°

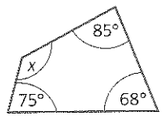


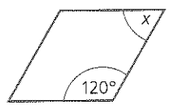
angle x 137°
angle y 43°

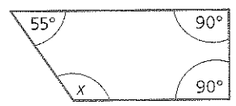
D Find the missing angle in each of the triangles. Then name each triangle according to **a** the angles **b** the sides.

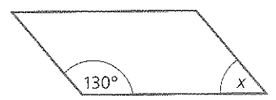
Angles in triangle			a Name of triangle (angles)	b Name of triangle (sides)
32°	58°	90°	right-angled	scalene
46°	52°	82°	acute-angled	scalene
60°	60°	60°	acute-angled	equilateral
17°	125°	38°	obtuse-angled	scalene
57°	57°	66°	acute-angled	isosceles

E



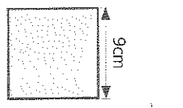




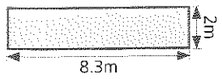


Find the angle x in a the rhombus 60° b the trapezium 125°
c the parallelogram 50° d the irregular quadrilateral 132°

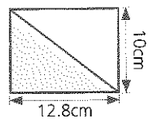
F Give the unit of measurement in the answer for each example.



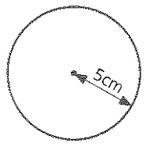
perimeter of square 36cm
area of square 81cm²



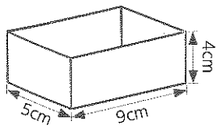
perimeter of rectangle 20.6cm
area of rectangle 16.6cm²



area of triangle 64cm²



diameter of circle 10cm



How many cm cubes
a fit into the bottom of the box a 45
b fill the box? b 180

Write the missing measurement in each of the rectangles.

Area	50m²	121.5cm²	25cm²	16m²
Length	5m	13.5cm	10cm	32m
Breadth	10m	9cm	2.5cm	50cm

Write the missing measurement in each of the triangles.

Base	16cm	45m	10cm	12cm
Height	8cm	12m	18cm	7cm
Area	64cm²	270m²	90cm²	42cm²

Write the missing radius or diameter.

Radius	15.3cm	18mm	4.9cm	27.6cm
Diameter	30.6cm	36mm	9.8cm	55.2cm

Find the volume of each of these boxes.
length 13cm, breadth 8cm, height 2cm 208cm³
length 7cm, breadth 4cm, height 2.5cm 70cm³
cube of 6cm side 216cm³