SECTION 3 | Test 1

Schofield & Sims

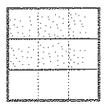
A

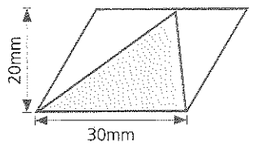
		Answer
1	435g + 370g + 265g = ☐ kg	1.07kg
2	7% of 6m = ☐ cm	42cm
3	5.3 – 0.19 =	5.11
4	$4x = 28$. Find the value of x.	7
5	Write in digits 0.65 million.	650000
6	1.55 × 8 =	12.4
7	1.3km – 750m = ☐ m	550m
8	£4.57 × 6 =	£27.42
9	376min = ☐ h ☐ min	6h 16min
10	$10^3 - 10^2$ =	900
11	Write as a decimal $5 + \frac{23}{1000}$.	5.023
12	£3.60 ÷ 20 = ☐ p	18p

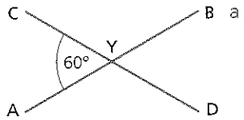
B

		Answer
1	Find in metres the total of 6m, 90cm, 7cm and 8mm.	6.978m
2	Increase £50 by 4%.	£52
3	What is the area of the largest triangle that can be cut from a square with sides measuring 8cm each?	32cm²
4	How many days inclusive from 2 July to 5 September?	66d
5	Find the change from £5 after spending 36p and £1.58.	£3.06
6	Write to the nearest 1p.	
	a £0.345	a 35p
	b £1.014	b £1.01
7	Write these numbers, putting in a decimal point so that the value of the 3 in each is equal to 3 hundredths.	a 4.63
	a 463 b 536 c 1003	b 0.536
		c 10.03
8	Write $\frac{1}{3}$ as a decimal fraction correct to two decimal places.	0.33
9	How many grams in 65% of 1kg?	650g
10	20 peppers cost £6.60. Find the cost of 8.	£2.64
11	Find the total in litres of (650ml × 4) and 0.4l.	3l
12	A car travels 15km in 10min. Find its speed in kilometres per hour.	90km/h

C

		Answer
1	Subtract £1.60 from the total of twelve 20ps, five 10ps and seven 5ps.	£1.65
2	When a number is divided by 8 the answer is $\frac{3}{4}$. What is the number?	6
3	Which digit other than 1 is a factor of all these numbers? 15 12 18 51 21	3
4	$6\overline{)\,175\text{ r }5}$; x — What number does x represent?	1055
5	 Divide the fraction $\frac{2}{3}$ by 3.	$\frac{2}{9}$
6	How many years are between MDCCXCV and MDCCC? Give your answer in digits.	5
7	Find in mm² the area of	
	a the parallelogram	a 600mm²
	b the shaded triangle.	b 300mm²



8	Daniel has £20 to spend in seven days. How much is this per day to the nearest 10p?	£2.90
9	 a Name the angle which is vertically opposite to ∠ CYA.	a ∠ BYD
	b Write its measurement in degrees.	b 60°
	c Write the measurement in degrees of ∠ CYB.	c 120°
10	For how many hours and minutes is the office open each day?	6h 55min

office opens	8.50 a.m.
closes for lunch	12.15 p.m. to 1.45 p.m.
office closes	5.15 p.m.

11	Dinner for eight people cost £120.00. How much will dinner cost for 10 people at the same rate?	£150
12	A 4cm line on a plan represents a distance of 10m.	
	a What does 1cm represent?	a 2.5m
	b Write the scale as a fraction.	b $\frac{1}{250}$

SECTION 3 | Test 2

A

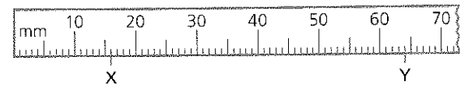
		Answer
1	$\frac{2}{3} \times 120$ =	80
2	(156 + 64) – ☐ = 123	97
3	3.014 × 100 =	301.4
4	$\frac{£48}{5}$ = £	£9.60
5	6.5% of £8.00 = ☐ p	52p
6	860m + 312m + 140m = ☐ km	1.312km
7	Find the cost of 2.5m at £1.40 per metre.	£3.50
8	$\frac{3}{5} \div 2$ =	$\frac{3}{10}$
9	350kg × 6 = ☐ tonnes	2.1t
10	2min 43s + 5min 38s =	8min 21s
11	$x + 1.15 = 2.2$. Find the value of x.	1.05
12	£2.50 × 36 =	£90.00

B

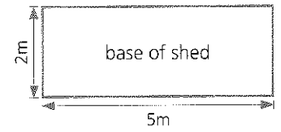
		Answer
1	Find the difference between 96 – 24 ÷ 6 and (96 – 24) ÷ 6.	80
2	Write 3.454kg to the nearest 100g.	3.5kg
3	The average of 8 numbers is 25. Find the sum of the numbers.	200
4	What percentage is	
	a 15p of £3	a 5%
	b 40p of £2?	b 20%
5	How many times greater is 30.7 than 3.07?	10
6	Write $\frac{25}{30}$ in its lowest terms.	$\frac{5}{6}$
7	One doughnut costs 11p. Find the cost of	
	a 100	a £11.00
	b 500.	b £55.00
8	How many centimetres more than 2m is the perimeter of a regular hexagon with sides measuring 35cm each?	10cm
9	1000 × 100 × 10. Write the answer in words.	one million
10	Which of these numbers are square numbers? 7 35 1 64 121 50	1, 64, 121
11	How many pieces of tape each 12.5cm long can be cut from 2m of tape?	16
12	A square has an area of 0.16m². Find	
	a the length of one side in metres	a 0.4m
	b the perimeter in centimetres.	b 160cm

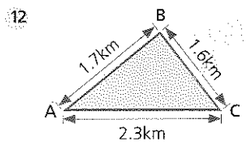
C

		Answer
1	A full truck has a mass of 4180kg. The mass of the truck when empty is 3200kg. Find, in kilograms, the mass of the truck's load.	980kg
2	Write the distance between X and Y	
	a in millimetres	a 48mm
	b in centimetres	b 4.8cm
	c in metres.	c 0.048m



3	How many $\frac{1}{4}$l glasses can be filled from a $3\frac{1}{2}$l carton?	14
4	An aeroplane travels at a speed of 1800km/h. How far will it travel in	
	a 1min	a 30km
	b 1s?	b 500m
5	A stack of 1p coins is 3cm high. Each coin is 1.5mm thick. What is the total value of the coins?	20p
6	What volume of concrete in m³ is needed to cover the base to a depth of 10cm?	1m³



7	By how much is 5% of £250 greater than 4% of £250?	£2.50
8	Emily's watch loses 2min each day. How many seconds is this per hour?	5s
9	Stationery 100 crayons £2.55 1000 crayons £20.20 Find the cost per crayon to the nearest penny when buying	
	a 100 crayons	a 3p
	b 1000 crayons.	b 2p
10	Wooden planks 10cm wide are used to cover a floor 4m long and 3.5m wide. Find the total length of the strips.	140m
11	A model aeroplane is made to a scale of 1:50. If the span of the wings of the model is 30cm, what is the actual length in metres of the span of the aircraft's wings?	15m
12	 By how many metres is the distance from A to C via B less than the distance from C to B via A?	700m