SECTION 3 | Test 7

Schofield & Sims

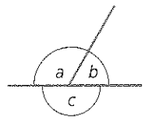
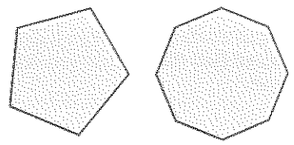
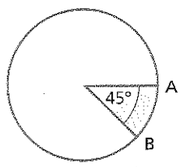
A

		Answer
1	$(8 \times 7 \times 0) + (8 + 7 + 0) =$	15
2	$\square \times \frac{1}{2} = 6$	12
3	Find the cost of 125g at £1.24 per $\frac{1}{2}$kg.	31p
4	£7.04 ÷ 8 = ☐ p	88p
5	0.7 million + 0.5 million. Answer in digits.	1200000
6	£4.05 × 10 =	£40.50
7	3650mm + ☐ mm = 5m	1350mm
8	30% of £5 =	£1.50
9	$\frac{£2.40}{6}$ + 60p = £	£1.00
10	(480m + 530m) × 2 = ☐ km	2.02km
11	$\frac{14}{16} \div 5 =$	$\frac{7}{40}$
12	(600ml × 5) ÷ 2 = ☐ l	1.5l

B

		Answer
1	How much less than 50 is $\frac{2}{7}$ of 28?	42
2	Add twenty to thirty-nine thousand nine hundred and eighty. Answer in digits.	40000
3	Find the whole amount when 20% is 50p.	£2.50
4	$(6 \times 10^4) + 1 =$	60001
5	1000 pencils cost £95. Find the cost of	
	a 10	a 95p
	b 40.	b £3.80
6	Find the difference in millilitres between 0.75 of 800ml and 0.7 of 1l.	100ml
7	Write as a decimal. a $\frac{1}{50}$	a 0.02
	b $\frac{1}{25}$	b 0.04
8	A length of 3.75m is cut into six equal parts. Find the length in millimetres of each part.	625mm
9	Express as a ratio	
	a 800ml to 4l	a 1:5
	b 600g to 6kg.	b 1:10
10	Write $\frac{1}{6}$ correct to two decimal places.	0.17
11	Subtract the sum of 780mm and 52cm from 2m.	700mm
12	The area of a rectangle is 450cm². The length is 30cm. Find the width in centimetres.	15cm

C

		Answer
1	A hundred 2ps weigh 0.712kg. Find the mass in grams of £1 worth of 2ps.	356g
2	These are the number of sweets found by four children in a treasure hunt. What is the mean number of sweets found? 20 17 0 11	12
3	$x = 3.5 - 0.5 \times 7$ $y = (3.5 - 0.5) \times 7$	
	Find the value of a x	a 0
	b y	b 21
	c $y - x$.	c 21
4	Noah and Poppy shared their money in the ratio of 4:3. Noah's share was £12, which was the larger amount. How much was Poppy's share?	£9
5	A bottle of water holds 450ml. Find in litres the contents of 50 bottles.	22.5l
6	 $\angle a$ is twice the size of $\angle b$. $\angle c$ is three times the size of $\angle b$. Find in degrees $\angle a$, $\angle b$ and $\angle c$.	$\angle a$ 120°
		$\angle b$ 60°
		$\angle c$ 180°
7	Toby was born on 1 Oct. 04. How old will he be in years and months on 1 Feb. 2020?	15yr 4mth
8	Find the cost to the nearest penny of one balloon when 50 balloons cost £3.80.	8p
9	How many lines of symmetry has	
	a a regular pentagon	a 5
	b a regular octagon?	b 8
		
10	3m of silk is divided into nine equal pieces. Write to the nearest centimetre the length of one piece.	33cm
11	£2.75 1.63 4.25 Find the change from a £10 note after paying this bill.	£1.37
12	 a What fraction of the area of the circle is the shaded sector?	a $\frac{1}{8}$
	b If the circumference of the circle measures 471mm, find to the nearest millimetre the length of the arc AB.	b 59mm

SECTION 3 | Test 8

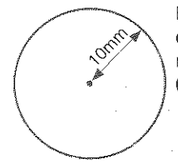
A

		Answer
1	2 tonnes – 850kg = ☐ t	1.15t
2	Round 4546000 to the nearest hundred thousand.	4500000
3	$\frac{1}{2} + \square = \frac{11}{12}$	$\frac{5}{12}$
4	68p + 27p + £1.16 = £	£2.11
5	275mm × 6 = ☐ m	1.65m
6	44p × 9 = £☐	£3.96
7	1kg costs 70p. Find the cost of 600g.	42p
8	12 × 5 × 20 =	1200
9	$33\frac{1}{3}$% of £51 =	£17.00
10	£13.00 – £☐ = £8.36	£4.64
11	5.0 × 0.5 =	2.5
12	$\frac{£4.02}{7}$ = ☐ p r ☐ p	57p r 3p

B

		Answer
1	How many hundredths more than $\frac{1}{4}$ is 0.31?	6 hundredths
2	How many litres and millilitres in $\frac{3}{8}$ of 10l?	3l 750ml
3	$3 \times 3 = 3^2 = 9$ $\sqrt{9} = 3$	
	Find $\sqrt{25}$.	5
4	40 waffles cost £22. Find the cost of eight waffles.	£4.40
5	Find the sum of the prime numbers between 60 and 70.	128
6	How much is 150% of £3.50?	£5.25
7	How many times is 125ml contained in	
	a 0.5l b 2.75l?	a 4 b 22
8	4 5 8 3 − 2 6 9 4 = 1 8 8 9 Use the example to find	
	a 2694 + 1889	a 4583
	b 4583 – 1889.	b 2694
9	The perimeter of a rectangle is 54cm. The breadth is half that of the length.	
	Find a the length	a 18cm
	b the breadth.	b 9cm
10	What number when multiplied by 6 has a product of 39.6?	6.6
11	Write the coordinates of the point (3, 5) when reflected in the y-axis.	(−3, 5)
12	How many centimetres less than 8m is the total of twenty 36cm lengths?	80cm

C

		Answer
1	23:57 23:58 23:59 a b These are five consecutive readings at one minute intervals on a 24-hour digital clock. Write the next two readings on the clock.	a 00:00
		b 00:01
2	The mass of three-quarters of a cake is $4\frac{1}{2}$kg. What is the mass of half of the cake?	3kg
3	A room is 5m long and 4m wide. It has a volume of 60m³. How high is the room?	3m
4	$\frac{1}{4}$ million people visited an art gallery in one week. This number increased by 1% the following week. What was the increased number of visitors?	252500
5	After saving a regular amount each month for one year Sita had a total of £18. How much had she saved after	
	a 3 months b 10 months?	a £4.50
		b £15.00
6	Syed was absent from school 20 times out of a possible attendance of 400. Write as a percentage the number of times he was	
	a absent b present.	a 5%
		b 95%
7	Broughton depart 15:48 Carnley arrive 16:28 The distance from Broughton to Carnley is 90km. Find the average speed of the train in kilometres per hour.	135km/h
8	The attendances at four music festivals were 29758, 25495, 24086 and 19810. Round each number to the nearest thousand and find the approximate total attendance.	99000
9	Five melons of equal value cost £5.40. Find the value of three of the melons.	£3.24
10	What is the distance from Ash to Rost	
	a in metres b in kilometres?	a 2400m
		b 2.4km
11	 Find the circumference of the circle to the nearest centimetre. ($C = 2\pi r$; $\pi = 3.14$).	6cm
12	1cm on a map represents an actual distance of 600m. What is the scale of the map?	1:60000