Answer

SE	CTION 2 Test 3	
(A)		Answer
1	£0.07 + £7.00 + £0.70 =	<u>£7.77</u>
2	$(7 \times 10^3) + (5 \times 10^2) + (3 \times 10^1) =$	7530
3	p × 10 = £1.60 =	16ρ
4	5 + 7 × 3 – 2 =	24
5	1.36 ÷ 8 =	0.17
6	$(4.\times96) + (6\times96) =$	960
7	360° - (145° + 55°) =	160°
8	$3l \ 250ml - \frac{3}{4}l = l$	2.51
9	3.593 + 0.407 =	4.0
10	80% of 400 =	320
11	$\frac{2}{3} + \frac{1}{6} =$	<u>5</u>
12	Subtract 12 from 7.	
		Answer

·		and the control of th
		Answer
: 1	What number is one more than 99 999?	100000
् 2	By how many seconds is 70s less than $1\frac{1}{4}$ min?	5s
3	700ml cost £0.91. Find the cost per litre.	<u>£1.30</u>
4	The length of a rectangle is 15cm and its perimeter is 46cm. Find	
	a the width	a 8cm
	b the area.	b 120cm²
5	Write 1mm of 2m as a fraction.	t 2000
6	Divide the total of £1.17 and £0.28 by 5.	£0.29
7	$4 \times y = 4y.$	
	Find the value of y when $4y = 14$.	32
8	Approximate	
	a 9493g to the nearest kilogram	a 9kg
	b 305 426 to the nearest 10 000.	b 310000
9	Write as a decimal the sum of 5, $\frac{3}{10}$ and $\frac{84}{100}$.	6.14
10	What percentage is 6cm of 2m?	3%
11	Write the next two numbers in this sequence.	

 $\frac{1}{10}$, $\frac{1}{5}$, $\frac{3}{10}$, $\frac{2}{5}$, $\frac{1}{2}$,

b a decimal fraction.

a a fraction in its simplest form

12 Write 125ml to 1l as

		Schofield & Sims
(0		Answer
1	The price of a 32p packet of sweets is increased by 25%. What is the new price	?40p
,	Find the total cost	
2	Funfair for two adults and	l
	children: half price two children.	£12,60
3	The length of a garage is 5m. The overall	
	length of a car is 4445mm. By how many millimetres is the garage longer than	
	the car?	555mm
4		
	Monday to Friday (inclusive). Find in hours and minutes the mean time	
	she works each day.	<u>7h</u> 12min
5		
!	£3.70. His three friends shared the remainder equally. How much did	
	each friend receive?	<u>f2.10</u>
6	A packet of weed-killer will treat 100m²	
	of lawn. How many packets are needed to treat a square lawn with 20m sides?	4
	triangle x 96° 42° ° Two of the angles in	
	triangle y 60° 60° a ° each of the	x 42°
	triangle z 90° 57° o triangles x, y and z are given	. <u>y 60°</u>
	Find the third angle for each triangle.	z 33°
8	. A map is drawn to a scale of 1cm to 1km.	•
	Find the distance in kilometres represented by a line 42mm long.	
	by a line 42mm long,	7.48111
9		
	F = the set of factors of 64. Find the missing factors.	8 - 32
	5	
10	Which triangle, A or B, has the greater area and by how many cm ² ?	A by 3cm²
	6cm	,
	A	
	9cm 8c	zm ·
11		.f
	1000cm ³ . What are the volumes in cm ³ o	202
	a 200ml	a 200cm ³ b 1700cm ³
	b 1.7l?	D 1/VVCIII

12 A map is drawn to a scale of 1cm to 1km.

a 100000

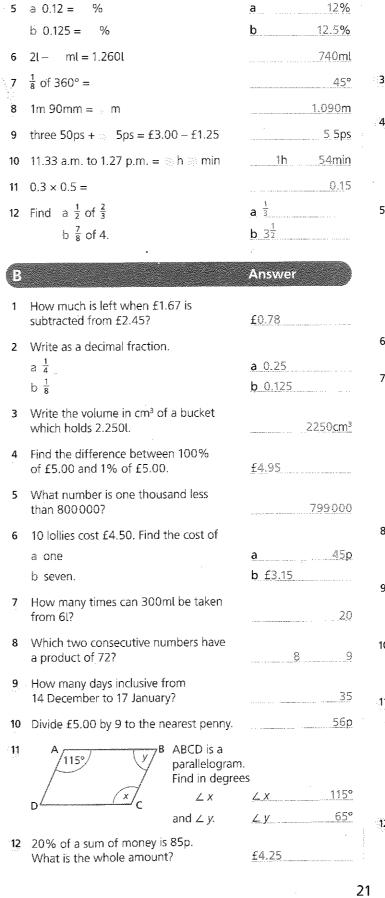
b 1:100000

Express this scale

a as a fraction

b as a ratio.

Me	ntal Arithmetic 5 Answers	•	
A		Answer	
1	$(4 \times 9^2) =$		324
2	0.9 - 0.09 =		0.81
3	$15p \times 4 = f$	£0,60	
4	$3694 \div 5 = r$	738 r	
. 5	a 0.12 = %	<u>a</u>	12%
	b 0.125 = %	b	12.5%
6	2l – ml = 1.260l		740ml
7	$\frac{1}{8}$ of 360° =		45°
8	1m 90mm = 5 m		1.090m
9	three 50ps +		5 5ps
10	11.33 a.m. to 1.27 p.m. = % h % min	<u>ih</u>	54min
11	$0.3 \times 0.5 =$		0.15
12	Find a $\frac{1}{2}$ of $\frac{2}{3}$	a = 1 3	
	$b \frac{7}{8} \text{ of } 4.$	b $3\frac{1}{2}$	-
45			
(5		Answer	
1	How much is left when £1.67 is subtracted from £2.45?	£0.78	
2	Write as a decimal fraction.		



1 A jug holds 750mt, How many mt does it hold when it is $\frac{2}{3}$ full? 500mt 2 The interior angles of triangles A, B and C are given. Name each of these triangles by its sides. 12% triangle A 60° 60° 60° 100				/=\(15\)\(\frac{1}{2}\)	
2 The interior angles of triangles A, B and C are given. Name each of these triangles by its sides. 12% triangle A 60° 60° 60° 15% triangle B 80° 80° 20° 16 triangle C 30° 60° 90° 17 triangle C 30° 60° 90° 18 isosceles 190m 190m 190m 190m 190m 190m 190m 190m		1	A jug holds 750ml. How many ml does it hold when it is $\frac{2}{3}$ full?		500ml
triangle B 80° 80° 20° triangle C 30° 60° 90° C scalene 3 Car parking costs \$4.00 per hour. How much does it cost to park for 3h 15min? \$13.00 4 Round each of these numbers to the nearest whole number and then find the approximate total. 5.109 6.5 4.49 2.73 19 The diagram shows how the children voted for their favourite sport. What percentage of the children voted for a swimming a swimming a swimming a what fraction of the circumference of the circumference of the circumference of the circumference would be its arc? 8 Eight lengths each measuring 2m 40cm are cut from a 20m roll. What length in cm remains? 9 Find the product of one-half and two-thirds and write the fraction in its simplest form. 10 In a freestyle swimming competition, Kai swam 200m in 1min 54.3s. How many		2	A, B and C are given. Name each		
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swam 200m in 1min 54.3s. How many	_ ,2.54		。		
	9	10	swam 200m in 1min 54.3s. How many	<u></u>	5.7s
35 11 The diagram shows the distances	35	11			
between four friends' homes. How many metres is it from Sita's to Ellie's? 510m	56p	,			<u>510m</u>
2.5km			2.5km		80-
0.75km			0.75/m	3.4 lene	□ ≈l
115° Ahmed 0.75km Sita Ellie 1.24km Joshua	115°		Ahmed U.75km Sita Ellie ?	.24KM Josh	ΛS
65° 12 The population of a town of 0.5 million	65°	17	The population of a town of 0.5 million		

fell by 50000. What was the percentage

10%

fall in population?

b 0.125