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STAGE 7 MATHEMATICS

TOPIC QUESTIONS TOPIC: RATIO SET-1

Find th	e number of parts	s of red paint need	ed to mix with :	54 parts of white pa	aint.

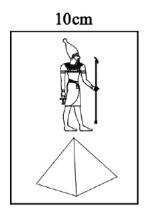
Pink paint is made by mixing 9 parts of white paint with 5 parts of red paint.

Г11
 L^J

1

	1	

2



NOT TO SCALE

(a) Work out the length of the postcard.

cm [1
------	---

(b) Work out the area of the postcard.

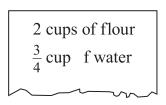
$$cm^2$$
 [1]

(b)	125 [cm²]	1	FT from <i>their</i> answer in part (a) × 10 correctly evaluated.

3	There are 9 girls and 11 boys in a group.
	Complete these sentences about the group.
	The ratio of girls to boys is :
	The fraction who are girls is
	The percentage who are boys is%

Answer
9 : 11 and <u>9</u>
20
and 55%
Any two out of the three sentences correct.

4 Here is part of a recipe.



(a) Write the ratio amount of flour: amount of water in its simplest form.

	Г17
	11

(b) Naomi makes the recipe using 5 cups of flour.

Find how much water she uses.

cups [2]

b)	8:3	1	
	1.875 (cups) or	2	Do not accept $\frac{15}{8}$ for 2 marks.
	$1\frac{7}{8}$ or 1.88 or 1.9		. 8
		M1	oe, e.g. $\frac{15}{8}$
	$5 \times \frac{\text{their } 3}{\text{their } 8}$ oe or		oe, e.g. <u>8</u>
	$5 + 2 \times \frac{3}{4}$ oe		
	or 1.875 seen		
	4-		

5 Naomi and Samira share some apples. Naomi receives less than half of the apples.

Draw a ring around the possible value of the ratio of Naomi's share to Samira's share.

1:5

Marie tamesources con 3:2

1:1

7:5

1:5	1	Accept any clear indication.