RATIO-SET-1		
1	The ratios of teachers: male students: female students in a school are 2:17:18. The total number of <b>students</b> is 665. Find the number of <b>teachers</b> .	
	Answer [2]	
2	A company makes two models of television.  Model A has a rectangular screen that measures 44 cm by 32 cm.  Model B has a larger screen with these measurements increased in the ratio 5:4.  (a) Work out the measurements of the larger screen.	
	(b) Find the fraction $\frac{\text{model } A \text{ screen area}}{\text{model } B \text{ screen area}}$ in its simplest form.  Answer(b) cm by cm [2]	
	~(2)	

3	Two similar vases have heights which are in the ratio 3:2.
	(a) The volume of the larger vase is 1080 cm <sup>3</sup> . Calculate the volume of the smaller vase.
	Answer(a) cm³ [2]  (b) The surface area of the smaller vase is 252 cm².  Calculate the surface area of the larger vase.
	Answer(b) $cm^2$ [2]
4	Pedro and Eva do their homework. Pedro takes 84 minutes to do his homework.
	The ratio Pedro's time : Eva's time = $7 : 6$ .
	Work out the number of minutes Eva takes to do her homework.
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	Answer min [2]
5	Ahmed and Babar share 240 g of sweets in the ratio 7:3.
	Calculate the amount Ahmed receives.
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	<i>Answer</i> g [2]

6	Martha divides \$240 between spending and saving in the ratio
	spending: saving = $7:8$ .
	Calculate the amount Martha has for spending.
	Answer \$[2]
7	Pip and Ali share \$785 in the ratio Pip:Ali = 4:1.
	Work out Pip's share.
	Answer \$ [2]
8	Ralf and Susie share \$57 in the ratio 2:1.
	(a) Calculate the amount Ralf receives.
	\$[2]
	(b) Ralf gives \$2 to Susie.
	Calculate the new ratio Ralf's money: Susie's money.
	Give your answer in its simplest form.
	[2]