RATIO-SET-1						
1	The ratios of teachers: male students: female students in a school are 2:17:18. The total number of students is 665. Find the number of teachers .					
				Answer	[2]	
MS-1	38	2		or 665/(17 + 18) s.o.i. by valent complete method	2	
				,6		
2	A company makes two models of the Model A has a rectangular screen the Model B has a larger screen with the (a) Work out the measurements of A work out the measurements of A work of B screen the Model B scr	hat measur hese measu of the larger	screen Answ its sir	ts increased in the ratio 5:4.	cm [2]	
MS-2	(a) 55, 40	2	В	31 B1	<u>,</u>	
	(b) $\frac{16}{25}$	1				

3	Two similar vases have heights which are in the ratio 3:2.						
3	(a) (b)	The volume of the larger vase is 1080 cm ³ Calculate the volume of the smaller vase. The surface area of the smaller vase is 252 Calculate the surface area of the larger vase.	$A t$ $2 \mathrm{cm}^2$.		er(a) cm ³ [2]		
			A_i	nsw	er(b) cm ² [2]		
			 I				
MS-3	(a)	320	2	M	1 $1080 \times 8/27 \text{ or } (2/3)^3$ or		
	(b)	567	2	M	1080 ÷ 27/8 or $(3/2)^3$ 1 252 × 9/4 or $(3/2)^2$ or 252 ÷ 4/9 or $(2/3)^2$		
					-		
		1.0					
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.						
					Answer min [2]		
MS-4		72	2		M1 for 84 ÷ 7		
			+				

5	Ahmed and Babar share 240 g of sweets in the ratio 7:3.							
	Calculate the amount Ahmed receives.							
						4-		
MS-5					+	Ar	18wer g [2]	J —
1013-3		168			2		M1 for $240 \div (7 + 3)$ or better	
							6.	
6	Martha divides \$240 between spending and saving in the ratio							
		spending: sa	ving = 7:	8.				
	Calculate the amount Martha has for spending.							
			0			An	swer \$[2	.]
MS-6	112				2	N	11 for $240 \div (7+8) \times 7$	
7		re \$785 in the ratio	Pip:Ali	= 4:1.				
	Work out Pip's	share.						
						Ans	swer\$[2	1
MS-7								_
III.3	628			2	M1 fo	or $\frac{7}{1}$	$\frac{785}{+4} \left[\times 4 \right]$	
11.						1		_

8	Ralf and Susie share \$57 in the ratio 2 : 1.				
	(a) Calcul	ate the amount Ralf receives.			
	Calcul	ives \$2 to Susie. ate the new ratio Ralf's money: Susie your answer in its simplest form.	's money	\$[2]	
				[2]	
MS-8	(a)	38	2	M1 for $57 \div (2+1)$ or better	
	(b)	12:7	2	M1FT for their 38 – 2 and their 19 + 2 seen dep on sum = 57 If M0 SC1 for answer 7 : 12	