★ MATHS TEACHER HUB

Higher Homework 9: Number

Higher Home	WOIK 9.	Number	
1. Write the following numbers in asc	cending o	order.	
•	•		
$\frac{4}{7}$, $\frac{8}{20}$,	<u>-</u> ,	$\frac{3}{8}$	
, 20	3	O	
			(2 1)
			(2 marks)
2. Work out £2.09 \times 26			
			(2 marks)
3. Work out £12.88 ÷ 7			
3. WOIR out 212.00 . 7			
			(1 mark)
4. Work out 5^{-3}			
i. Work out 5			
			(1 mark)
5. Estimate 6.542 × 6.2781			· · · · · · · · · · · · · · · · · · ·
J. Estimate 0.342 ^ 0.2761			
			(1 mark)
(White decree the series of 0			/
6. Write down the square of 9.			
			(1 mark)
7. Work out $(5)^3$			
7. Work out $\left(\frac{5}{6}\right)^3$			
(0)			(2 marks)
8. A number has been rounded to 300	to the ne	arest 1 signif	icant figure.
Write down the error interval			8
write down the error interval			
2			(2 marks)
9. Work out $36^{\frac{3}{2}}$			
			(1 mark)
10. Work out 12 ⁰			` '
			(1 mark)

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11. Some money has been shared between Rob, Poppy a Poppy received £18 more than Rob. How much did Li get?	nd Li in the ratio 3:5:2.
	(2 marks)
12. Simplify $\sqrt{98}$	
	(2 marks)
13. Work out $2\frac{1}{2} + 1\frac{6}{7}$	
	(2 marks)
14. Work out $1\frac{3}{5} \times 1\frac{3}{4}$	
	(2 marks)
15. Express 675 as a product of its prime factors.	
	(2 marks)
16. Workout the HCF and LCM of 24 and 36.	

17. Write 2.8×10^{11} as an ordinary number.

(2 marks)

(2 marks)

18. Convert 0.67×10^{-3} into standard form.

(2 marks)

19. Work out $(3.6 \times 10^{12}) \times (2 \times 10^{-5})$

(3 marks)