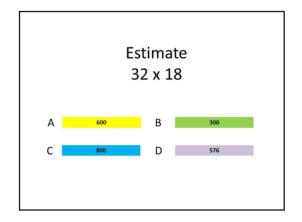
New Maths GCSE: N14 - Estimating Calculations using Significant Figures

Name	Date
	Correct Answer: A B C D
By rounding each number to one significant figure, which is the correct 12.8×9.2	Explanation:
estimation of the following calculation:	
$\frac{13\times9}{6^2} \qquad \qquad \boxed{\frac{10\times9}{5^2}}$	
10.00	
$\frac{10 \times 9}{6^2}$ $\frac{12.8 \times 9.2}{5.6^2}$	
6^2 5.6^2	
By rounding each number	Correct Answer: A B C D
to one significant figure, which is the correct 5.46×3.82	Explanation:
estimation of the following calculation: 8.61 ²	
E4×20 E×2	
$\frac{5.4 \times 3.8}{8.6^2}$ $\frac{5 \times 3}{8^2}$	
	
$\frac{5.5 \times 3.8}{8.6^2}$ D $\frac{5 \times 4}{9^2}$	
By rounding each number	Correct Answer: A B C D
to one significant figure, which is the correct $\frac{23 \times 570}{}$	Explanation:
estimation of the following calculation:	
20 × 600 2 × 6	
$\frac{20\times 600}{4^2}$ B $\frac{2\times 6}{4^2}$	
23 × 570 23 × 500	
$\frac{23 \times 570}{4^2}$ $\frac{23 \times 500}{3^2}$	
. 3	

	By rounding each number to one significant figure, which is the correct 6.712 × 15	Correct Answer: A B C D Explanation:
	estimation of the following calculation:	
	7.415	
	$\frac{7 \times 15}{350^2}$ $\frac{6 \times 15}{349^2}$	
	$\frac{6.7 \times 15}{2} \qquad \frac{7 \times 20}{2}$	
	349^2 300^2	
	By rounding each number	Correct Answer: A B C D
	to one significant figure, which is the correct 10.8×230	Explanation:
	estimation of the following calculation: 0.783 ²	
	$\frac{11 \times 230}{2.03}$ B $\frac{10 \times 200}{13}$	
	0.8^2 1^2	
	$10 \times 200 \qquad 11 \times 200$	
	0.8^2 1^2	
		Correct Answer: A B C D
	What is a sensible estimation for	Explanation:
the answer to 0.48 x 4.1?		
	A 4.58 B 20	
	c 0.2 D 2	
		Correct Answer: A B C D
	Follow up Questions for Edexcel GCSE – June 2014 – Higher – Paper 1 – Question 13 In a competition, a prize is won every 3033 seconds.	Explanation:
	Work out an estimate for how many prizes are won in each 24 hour period.	
	Which of the following gives a reasonable estimate of	
	the number of seconds in a 24 hour period? 60×60	
	$\frac{60 \times 60}{20} \qquad \boxed{\text{B}} 60 \times 60$	
	20	



Correct Answer: A B C D	
Explanation:	

		stimat 76 x 61 26		
Α	240	В	140	
С	160	D I	210	

Correct Answer:	ABCD	
Explanation:		