New Maths GCSE: N15 - Error intervals due to rounding

Name:	Date:
Having been rounded to the nearest 10, a score (s) is given as 40.	Correct Answer: A B C D Explanation:
Which of the following gives the correct error interval for s?	
$35 < s \le 45$ $35 \le s < 45$	
	Correct Answer: A B C D
Having been rounded to the nearest 100, a score (s) is given as 800.	Explanation:
Which of the following gives the correct error interval for s?	
$ 700 < s \le 900 $	
Having been rounded to the nearest whole number, a score (s) is given as 20.	Correct Answer: A B C D Explanation:
Which of the following gives the correct	
error interval for s?	

Having been rounded to 1 decimal place, a	Correct Answer: A B C D
score (s) is given as 4.5.	Explanation:
Which of the following gives the correct	
error interval for s?	
440 < 5451	
	Correct Answer: A B C D
Having been rounded to 2 decimal places, a score (s) is given as 5.04.	Explanation:
Which of the following gives the correct error interval for s?	
A $5.035 \le s < 5.045$ B $5.03 \le s < 5.05$	
$ c 5.039 \le s < 4.041 $ $ b 5 \le s < 5.1 $	
	Correct Answer: A B C D
Having been rounded to 1 significant figure, a score (s) is given as 300.	Explanation:
	Explanation.
Which of the following gives the correct error interval for s?	
error interval ion	
A $299.5 \le s < 300.5$ B $299 \le s < 301$	
$295 \le s < 305$ $250 \le s < 350$	
A score (s) is recorded as 90.	Correct Answer: A B C D
The error interval of s is: $89.5 \le s < 90.5$	Explanation:
s could have been rounded to:	
The nearest One significant figure	
ten Tigure	
The nearest One decimal place	
I III III II	

A score (s) is recorded as 0.7.				
The error interval of s is: $0.65 \le s < 0.75$				
s	could have been ro	ounded to:		
А	The nearest ten	Two decimal places		
С	The nearest whole number	One decimal place		

Correct Answer: A B C D	
Explanation:	