	mathsgenie.co.uk Please do not write on this she			on this sheet	mathsgenie.co.uk		
1	<ul><li>The weight of a bag of potatoes</li><li>(a) Write down the smallest pos</li><li>(b) Write down the largest poss</li></ul>	of a bag of potatoes is 15 kg, correct to the nearest kg. wn the smallest possible weight of the bag of potatoes. wn the largest possible weight of the bag of potatoes.		A number y is rounded to 2 decimal pla The result is 1.51 Write down the error interval for y.	(2 marks)		
2	The length of a line is 81 centin (a) Write down the least possibl (b) Write down the greatest pos	(2 marks) netres, correct to the nearest centimetre. le length of the line. ssible length of the line. (2 marks)	7	A number $x$ is rounded to 2 decimal pla The result is 0.18 Write down the error interval for $x$ . A number $x$ is rounded to 3 significant	aces. figures.	(2 marks)	
3	The height of a building is mean metre. (a) Write down the least possibl (b) Write down the greatest pos	sures as 11 metres, correct to the nearest le height of the building. sible height of the building.		The result is 3.69 Write down the error interval for <i>x</i> . A number <i>x</i> is rounded to 3 significant figures. The result is 2.17		(2 marks)	
4	A number <i>y</i> is rounded to 1 deci The result is 5.2 Write down the error interval for	imal place. or y. (2 marks)	10	Write down the error interval for $x$ . A number $y$ is rounded to 1 decimal pl The result is 0.7 Write down the error interval for $y$ .	lace.	(2 marks)	
5	A number y is rounded to 1 deci The result is 14.8 Write down the error interval fo	imal place. or <i>y</i> . <b>(2 marks)</b>	11	A number y is rounded to 1 decimal pl The result is 19.3 Write down the error interval for y.	ace.	(2 marks) (2 marks)	
Grade 3 Error Inte				rvals		Grade 3	

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12	A number y is rounded to 2 decimal places.		17	17 A number x is <b>truncated</b> to 2 decimal places.			
	The result is 1.26			The result is 9.58			
	Write down the error interval fo	or <i>y</i> . (2 marks)		Write down the error interval for <i>x</i> .		(2 marks)	
13	A number x is rounded to 2 decimal places.		18	A number x is <b>truncated</b> to 2 decima	l places.		
	The result is 2.35			The result is 3.57			
	Write down the error interval fo	or <i>x</i> . (2 marks)		Write down the error interval for <i>x</i> . (2 marks)			
14	A number $x$ is rounded to 3 decimal places.		19	A number $x$ is rounded to 2 significant	t figures.		
	The result is 8.124			The result is 210			
	Write down the error interval fo	or x. (2 marks)		Write down the error interval for <i>x</i> .		(2 marks)	
15	A number $x$ is rounded to 3 sign	ificant figures.	20	<b>20</b> A number $x$ is rounded to 3 significant figures.			
	The result is 5.67			The result is 0.458			
	Write down the error interval fo	or <i>x</i> . (2 marks)		Write down the error interval for <i>x</i> .		(2 marks)	
16	A number x is <b>truncated</b> to 1 de	ecimal place.	21	<b>21</b> A number $x$ is rounded to 1 significant figure.			
	The result is 6.2			The result is 6000			
Write down the error interval for <i>x</i> .		or <i>x</i> . (2 marks)	_	Write down the error interval for <i>x</i> .		(2 marks)	
Grade 3 Error Intervals					Grade 3		