Name:	Class:	Date:	Date:	
		Mark	/ 12	%
1) The number 98 has bee	n rounded to the nearest	whole number. Find its low	er and upper bounds.	[1]
2) The number 92 has bee	n rounded to the nearest	integer. Find its lower and	apper bounds.	[1]
3) The number 4000 has b	been rounded to the near	est 1000. Find its lower and	upper bounds.	[1]
4) The number 95.1 has b	een rounded to the neare	est tenth. Find its lower and	apper bounds.	[1]
5) The number 60 has bee	n rounded to 1 significat	nt figure. Find its lower and	upper bounds.	[1]
6) Find the upper and low nearest whole number).	er bounds of a \times b, when	re a = 15 and b = 9 (both ha	ve been rounded to the	
7) Find the upper and low unit).	er bounds of $\frac{a}{b}$, where a	= 12 and $b = 5$ (both have b	been rounded to the nea	[1] rest
8) Find the upper and low	er bounds of $a + b$, when	re $a = 13$ and $b = 9$ (both ha	ve been rounded to the	[1]

[1]

nearest whole number).

9) Find the upper and lower bounds of a -b, where a = 15 and b = 4 (both have been rounded to the nearest unit).

	[1]
10) The weight of a table is 6 kg, correct to the nearest kg.	[1]
Find the largest possible weight of the table.	

11) The distance between two towns is 800 miles, rounded to the nearest 100 miles.[1]Find the minimum possible distance between them.

12) Chloe drives 5 km (correct to the nearest km) to work, in 15 minutes (correct to the nearest minute). Find the least possible average speed.

[1]

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Solutions for the assessment Limits of Accuracy

1) 97.5 ≤ 98 < 98.5	2) 91.5 ≤ 92 < 92.5
3) 3500 ≤ 4000 < 4500	4) 95.05 ≤ 95.1 < 95.15
5) 55 ≤ 60 < 65	6) 123.25 ≤ _a × _b < 147.25
7) $2.091 \le \frac{a}{b} < 2.778$	8) $21 \le a + b \le 23$
9) $10 \le a - b \le 12$	10) 6.5 kg
11) 750 miles	12) 17.4 km/h

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