1) The number 98 has been rounded to the nearest whole number. Find its lower and upper bounds. [1]

2) The number 92 has been rounded to the nearest integer. Find its lower and upper bounds. [1]

3) The number 4000 has been rounded to the nearest 1000. Find its lower and upper bounds. [1]

4) The number 95.1 has been rounded to the nearest tenth. Find its lower and upper bounds. [1]

5) The number 60 has been rounded to 1 significant figure. Find its lower and upper bounds. [1]

6) Find the upper and lower bounds of $a \times b$, where $a = 15$ and $b = 9$ (both have been rounded to the nearest whole number). [1]

7) Find the upper and lower bounds of $\frac{a}{b}$, where $a = 12$ and $b = 5$ (both have been rounded to the nearest unit). [1]

8) Find the upper and lower bounds of $a + b$, where $a = 13$ and $b = 9$ (both have been rounded to the nearest whole number). [1]
9) Find the upper and lower bounds of \( a - b \), where \( a = 15 \) and \( b = 4 \) (both have been rounded to the nearest unit).

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

11) The distance between two towns is 800 miles, rounded to the nearest 100 miles.
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.
Solutions for the assessment Limits of Accuracy

1) $97.5 \leq 98 < 98.5$
2) $91.5 \leq 92 < 92.5$

3) $3500 \leq 4000 < 4500$
4) $95.05 \leq 95.1 < 95.15$

5) $55 \leq 60 < 65$
6) $123.25 \leq ab < 147.25$

7) $2.091 \leq \frac{a}{b} < 2.778$
8) $21 \leq a + b < 23$

9) $10 \leq a - b < 12$
10) $6.5$ kg

11) 750 miles
12) 17.4 km/h