Limits of accuracy

15 min
15 marks

1. At the market, Fernando weighs his fruit to the nearest 10 grams.
He weighs a mango as 260 grams.
Complete the statement in the answer space.

Answer …… g ≤ weight of mango < …… g

[2]

2. The highest mountain in Argentina is Aconcagua.
Its height is 6960 metres, correct to the nearest **twenty** metres.
Write down the smallest possible height of Aconcagua.

Answer …… m

[1]

3. The length of a mirror is 15.6 centimetres correct to the nearest millimetre.
Complete the statement below about the length of the mirror.

Answer ……cm ≤ length < …… cm

[2]

4. The population of a city is 350 000 correct to the nearest ten thousand.
Complete the statement about the limits of the population.

Answer …… ≤ population < ……

[2]

5. The length of the River Nile is 6700 kilometres, correct to the nearest hundred kilometres.
Complete the statement about the length, L kilometres, of the River Nile.

Answer …… ≤ L < ……

[2]

6. The height, h metres, of a telegraph pole is 12 metres correct to the nearest metre.

Complete the statement about the value of h.

Answer …… ≤ h < ……

[2]

7. The distance, d kilometres, between Windhoek and Cape Town is 1300 km, correct to the nearest 100 kilometres.
Complete the statement about the value of d.

Answer …… ≤ d < ……

[2]

8. The distance, d kilometres, between Auckland and Tokyo is 8800 km, correct to the nearest 100 kilometres.
Complete the statement about the value of d.

Answer …… ≤ d < ……

[2]