

- 1) A silver necklace has a mass of 123 grams, correct to the nearest gram.
- Write down the least possible mass of the necklace.
 - Write down the greatest possible mass of the necklace.

- 2) Each of these measurements was made correct to one decimal place.
Write the maximum and minimum possible measurement in each case.

- a) 4.6 cm b) 0.8 kg c) 12.5 litres d) 25.0 km/h
- e) 10.3 s f) 36.1 m g) 136.7 m/s h) 0.1 g



- 3) Each side of a regular octagon has a length of 20.6 cm, correct to the nearest millimetre.
- Write down the least possible length of each side.
 - Write down the greatest possible length of each side.
 - Write down the greatest possible perimeter of the octagon.

- 4) A girl has a pen that is of length 12 cm, measured to the nearest centimetre.
Her pencil case has a diagonal of length 12.5 cm, measured to the nearest millimetre.
Explain why it might not be possible for her to fit the pen in the pencil case.



- 5) A square has sides of length 7 cm, correct to the nearest centimetre.
- Calculate the lower bound for the perimeter of the square.
 - Calculate the upper bound for the area of the square.