



The width of a rectangle is 50cm, correct to 2 significant figures.
The length of a rectangle is 115cm, correct to 3 significant figures.

$$49.5 \times 114.5$$

Calculate the lower bound for the area of the rectangle.

$$5667.75 \text{ cm}^2$$

What percentage of a distribution lies between the lowest value and the upper quartile?

$$75\%$$

Find the coordinates of the point where the straight lines $y = 2x$ and $y = x + 5$ meet.

$$2x = x + 5$$

$$x = 5$$

$$y = 10$$

$$(5, 10)$$

The population of a country increases by $x\%$ each year.

At the beginning of 2017 the population of the country was 24,000,000

At the beginning of 2020 the population was 26,996,736

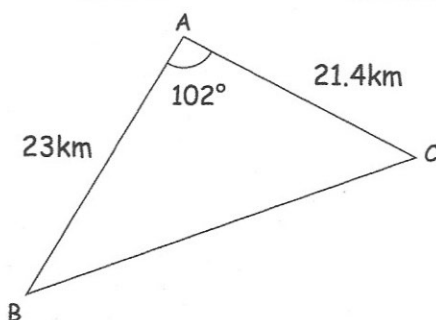
Find the value of x

$$24\,000\,000 \times y^3 = 26\,996\,736$$

$$y^3 = 1.124864$$

$$y = 1.04$$

$$4\%$$



Find the area of triangle ABC.

$$\frac{1}{2} \times 23 \times 21.4 \times \sin 102$$

$$240.72 \text{ km}^2$$