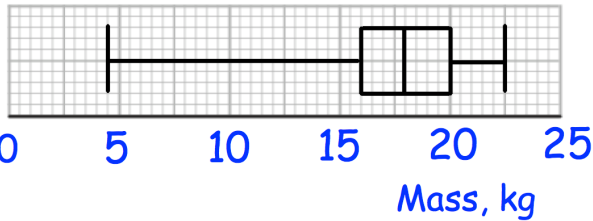
Find  $x$ 

Work out the interquartile range

Simplify

$$\frac{5x^2 - 13x - 6}{x^2 - 9}$$

A metal cylinder that has diameter 20cm and height 50cm is melted and used to create spheres of radius 4cm.

How many complete spheres can be created?

$$w = \frac{\sqrt{c}}{4}$$

$c = 5.34$  correct to 3 significant figures.

Work out the upper bound for  $w$ .