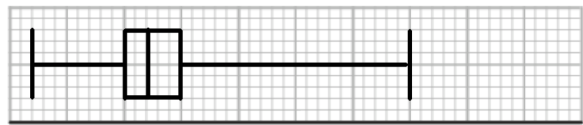
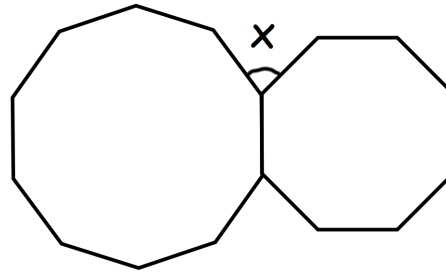




Shown is a regular octagon and a regular decagon.

Find x



0 1 2 3 4 5
Distance, km

Find the interquartile range

5 adult tickets and 14 child tickets cost £99

An adult ticket costs £1.75 more than a child ticket.

Find the cost of an adult ticket and find the cost of a child ticket.

Solve by factorising

$$2x^2 - 7x - 9 = 0$$

$$v = u + at$$

Given $u = 2.4$ correct to 2 significant figures, $a = 12$ correct to 2 significant figures and $t = 5$ correct to 1 significant figure.

Calculate the lower bound for v .