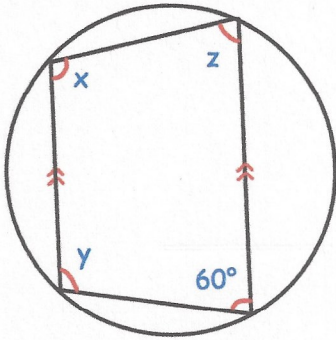


3rd October



Corbettmaths



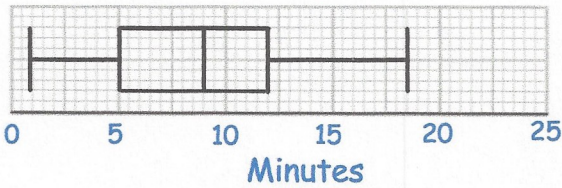
Find x , y and z

$$x = 120^\circ$$

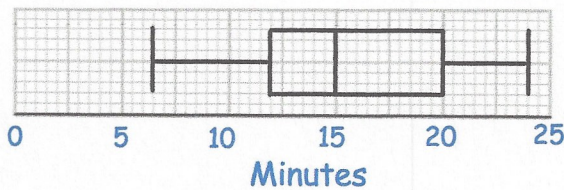
$$y = 120^\circ$$

$$z = 60^\circ$$

Time taken to complete puzzle - Children



Time taken to complete puzzle - Adults



Shown are the times taken to complete a puzzle by a group of children and a group of adults.

Compare the distributions.

The children completed the puzzle in a quicker time on average, as their median was 9 minutes and the adults was 15 minutes.

The times have a similar spread with the children's IQR being 7 minutes, and the adults' IQR being 8 minutes.

A restaurant menu has 5 starters, 10 mains and 4 desserts.

A customer can choose:

- a starter and a main
- a main and a dessert
- a starter, a main and a dessert

How many different ways of choosing a meal are there?

$$\begin{aligned}
 5 \times 10 &= 50 \quad (\text{sm}) \\
 10 \times 4 &= 40 \quad (\text{md}) \\
 5 \times 10 \times 4 &= 200 \quad (\text{smo}) \\
 \hline
 &290
 \end{aligned}$$

Jack is taking penalties.
The probability that he scores is 0.8

He takes two penalties.
Work out the probability that he scores exactly once.

$$0.32$$

