

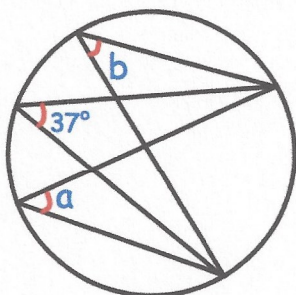


16th August

Simplify fully.

$$(2m^4)^3$$

$$8m^{12}$$



Find a and b

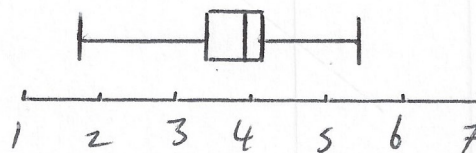
$$a = 37^\circ$$

$$b = 37^\circ$$

Lower Quartile	3.4
Median	3.9
Upper Quartile	4.1
Highest Value	5.4
Range	3.7

$$\begin{aligned} \text{lowest} \\ 5.4 - 3.7 \\ = 1.7 \end{aligned}$$

Draw a box plot for the information given



Mark writes down the day and the date.
For example, Monday 14th March.

- The day of the week begins with a T.
- The month begins with a vowel.
- The date number is a prime number.

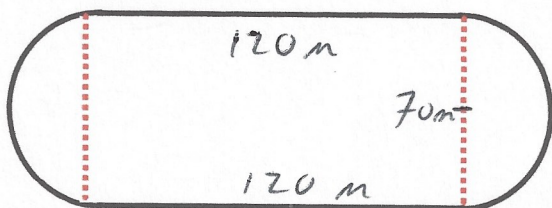
$$\begin{array}{cccccc} 2 & \times & 2 & \times & 1 & = & 4 \\ \text{Tues} & & \text{August} & & 31 & & \\ \text{Thurs} & & \text{October} & & & & \end{array}$$

How many different possibilities are there?

$$2 \times 3 \times 10 = 60$$

Tues	April	2	3	5	7	11
Thurs	August	13	17	19	23	
	October	29				

64



Find the area of the shape.

$$\begin{aligned} \pi \times 35^2 &= 3848.45 \quad (\text{both semi-circles}) \\ 120 \times 70 &= 8400 \end{aligned}$$

$$12248.45 \text{ m}^2$$

Shown is a shape with perimeter $240 + 70\pi$ m