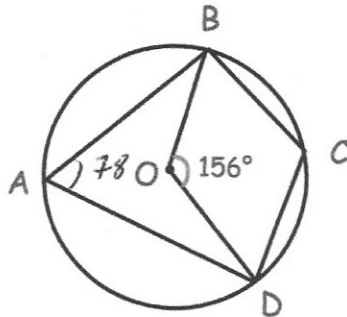




Simplify

$(5xy^2)^3$

$125x^3y^6$



Find the size of BCD.

$180 - 78 = 102^\circ$
=

Simplify $\sqrt{27}$

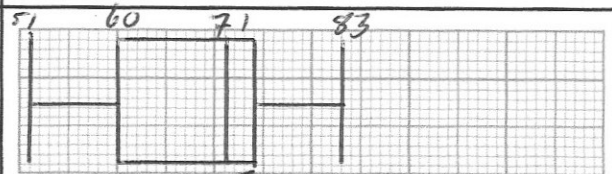
$\sqrt{9} \times \sqrt{3}$
 $3\sqrt{3}$

Simplify $\sqrt{300}$

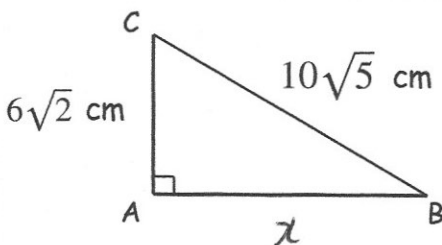
$\sqrt{100} \times \sqrt{3}$
 $10\sqrt{3}$

The lightest female rugby player is 51kg.
The lower quartile is 60kg.
The median is 71kg.
The range is 32kg and interquartile range is 14kg.

heaviest = $51 + 32 = 83$ kg
 $60 + 14 = 74$ kg (UQ)



Draw a box plot to show this information



Find the length of AB (non-calculator)

Give your answer in the form $a\sqrt{b}$

$x^2 + (6\sqrt{2})^2 = (10\sqrt{5})^2$

$x^2 + 72 = 500$

$x^2 = 428$

$x = 2\sqrt{107}$ cm