

6th October



Corbettmaths

Evaluate

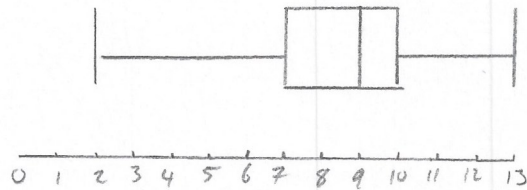
$27^{2/3}$

$\sqrt[3]{27} = 3$

$3^2 = 9$

Lowest Value	2
Lower Quartile	7
Median	9
Upper Quartile	10
Highest Value	13

Draw a box plot for the data given

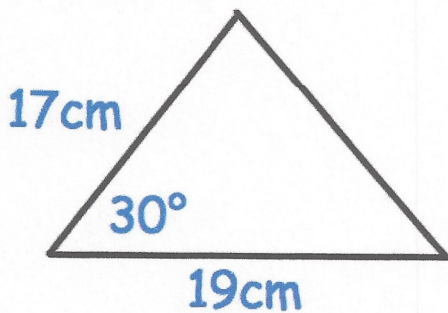


£5200 is invested at 2.8% compound interest per annum.

How many years will it take for the investment to exceed £7000.

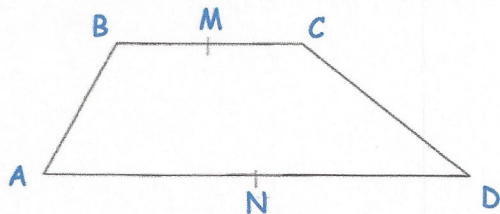
11

$5200 \times 1.028^t$   
 10 years £6853.86  
 11 years £7045.70



Find the area of the triangle.

$\frac{1}{2} \times 17 \times 19 \times \sin 30$   
 $80.75 \text{ cm}^2$



$\vec{AB} = 4a$     $\vec{BC} = 4b$     $\vec{AD} = 6b$

Find

$\vec{CD}$

$\vec{CB} + \vec{BA} + \vec{AD}$   
 $-4b + (-4a) + 6b$   
 $2b - 4a$