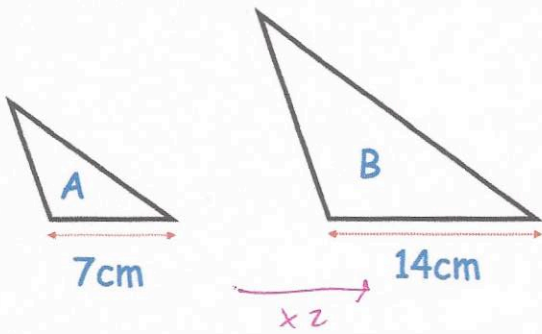


9th January



Corbettmaths



The area of triangle A is 20cm^2
Work out the area of triangle B.

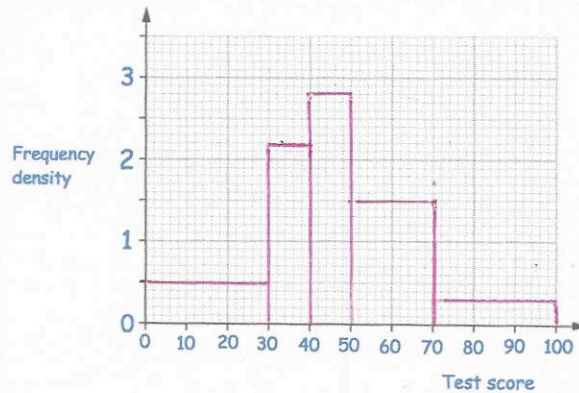
$$20 \times 2^2 = 80\text{cm}^2$$

Solve $2x^2 + 5x + 2 = 0$

$$(2x + 1)(x + 2)$$

$$x = -\frac{1}{2} \text{ or } x = -2$$

Test score, x	Frequency	f_0
$0 < x \leq 30$	15	0.5
$30 < x \leq 40$	22	2.2
$40 < x \leq 50$	28	2.8
$50 < x \leq 70$	30	1.5
$70 < x \leq 100$	9	0.3



Draw a histogram for this data.

At a rugby match, the ratio of women to men is 4:3.
The ratio of men to children is 2:5.
What percentage of the people at the rugby match are children?

$$\begin{array}{l} w:m \quad m:c \\ 4:3 \times 2 \quad 2:5 \times 3 \\ 8:6 \quad 6:15 \end{array}$$

$$w:m:c$$

$$8:6:15$$

$$\frac{15}{29} = 51.72\%$$