25th October

Corbettmaths

Factorise

$y^2 + 8y + 12$

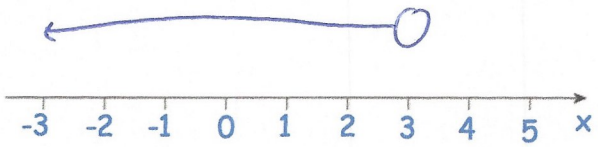
$(y+2)(y+6)$

Factorise

$y^2 - 121$

$(y-11)(y+11)$

Represent the inequality $x < 3$ on this number line.



Mrs Holland wants to paint her garage wall.

The wall measures

$6\frac{2}{3}$ m by $3\frac{1}{7}$ m

Each can of paint covers 5m².
Each can costs £7.50

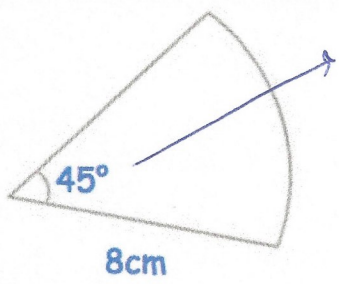
How much will it cost Mrs Holland to paint her garage wall?

$\frac{20}{3} \times \frac{22}{7} = \frac{440}{21} = 20\frac{20}{21}$ m²

5 cans

$5 \times 7.50 = £37.50$

Find the area of the sector.



$\frac{1}{8}$ of a circle

$\pi \times 8^2 = 201.0619298...$

$201.0619298... \div 8 =$

25.13 cm^2