



Find the reciprocal of 1.5 = $\frac{3}{2}$

$$\frac{2}{3}$$

Find the reciprocal of 0.15 $\frac{3}{20}$

$$\frac{20}{3}$$

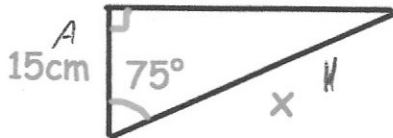
A tree is 70cm when planted.

Each year the height of the tree increases by 8%

Work out the height of the tree after 5 years.

$$70 \times 1.08^5$$

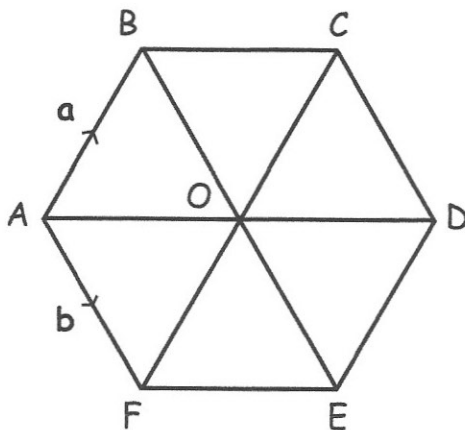
$$102.85... \text{ cm}$$



Find x

$$\frac{15}{\cos 75} = 57.955... \text{ cm}$$

ABCDEF is a regular hexagon, with centre O.



$$\vec{AB} = \underline{a} \quad \vec{AF} = \underline{b}$$

Express in terms of **a** and **b** the vector

\vec{BE}

$$2\underline{b}$$

Express in terms of **a** and **b** the vector

\vec{FD}

$$2\underline{a} + \underline{b}$$