



Antoni is four years younger than Khalil.

$$x - 4 \quad (5) \quad x \quad (4)$$

Zander is two years younger than three times Khalil's age.

$$3x - 2 \quad (25)$$

The mean of their ages is 13.

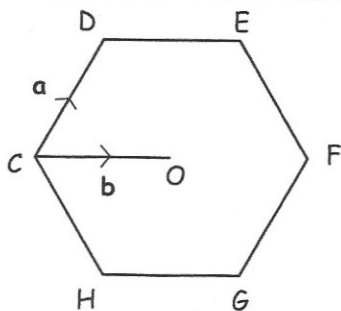
Work out the range of their ages.

$$25 - 5 = 20$$

$$\frac{5x - 6}{3} = 13$$

$$5x - 6 = 39$$

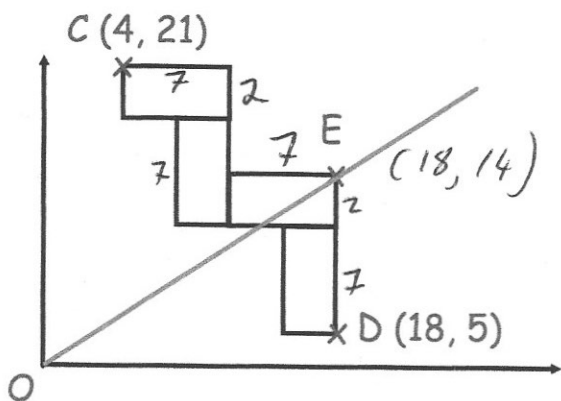
$$5x = 45 \quad x = 9$$



Shown is a regular hexagon.

Write down the vector \vec{CG}

$$2b - a$$



Find the area of each rectangle

$$18 - 4 = 14$$

$$14 \div 2 = 7$$

$$7 \times 2 = 14$$

$$21 - 5 = 16$$

$$16 - 7 - 7 = 2$$

Shown are four identical rectangles.

Find the equation of the line passing through O and E.

$$y = \frac{14}{18}x$$

$$y = \frac{7}{9}x$$

Make m the subject of

$$x = 4\pi m + am$$

$$x = m(4\pi + a)$$

$$m = \frac{x}{4\pi + a}$$