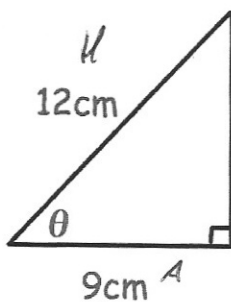


What is the gradient of the line L?

$$\frac{2}{1} = 2$$

What is the equation of the line L?

$$y = 2x - 1$$



C A H

Find the size of angle θ

$$\cos \theta = \frac{A}{H}$$

$$\cos \theta = \frac{9}{12}$$

$$\theta = 41.4^\circ$$

A car was bought for £20000.
Its value depreciated by 15% each year
for the first three years.

What was its value at the end of the
three years?

$$20000 \times 0.85^3$$

$$£ 12287.50$$

Esme has two boxes of counters, each
with an equal ratio of black and white
beads.

In box A, 54 of the beads of black and
36 are white.

There are 162 white beads in box B.

243 black

How many beads are there in the two
boxes in total?

$$54 : 36$$

$$162 \div 2 = 81$$

$$3 : 2$$

$$81 \times 3 = 243$$

$$54 + 36 + 162 + 243 = 495$$