

Finding the Original Example

£60 is 30%

Work out the original

To find the original, divide by the percentage multiplier

First find the percentage multiplier

$$30\% \div 100 = 0.3$$

0.30 is the percentage multiplier

$$\text{£}60 \div 0.30 = \text{£}200$$

If £60 is 30%, £200 is the original

£40 is an increase of 25%.

Work out the original

**100% represents the original.
125% represents £40**

First find the percentage multiplier

$$125\% \div 100 = 1.25$$

1.25 is the percentage multiplier

$$\text{£}40 \div 1.25 = \text{£}32$$

If £40 is a 25% increase, £32 is the original

The length is 760 m after a 5% decrease, work out the original

**100% represents the original.
95% represents 760 m**

First find the percentage multiplier

$$95\% \div 100 = 0.95$$

0.95 is the percentage multiplier

$$760 \text{ m} \div 0.95 = 800 \text{ m}$$

If 760 m is a 5% decrease, 800 m is the original