

Working with Variables

code-it.co.uk

Variable means changeable

The weather is variable



His moods are variable



Maths

34×2 , 12×2 , 56×2 , 3×2 , 77×2

Which aspect changes in each sum?

Maths

$$34 \times 2 = 68, \quad 12 \times 2 = 24, \quad 56 \times 2 = 112$$

Replace numbers with variables

NUMBER1

$\times 2 =$

TOTAL

Maths

$34 \times 2 = 68$, $12 \times 2 = 24$, $56 \times 2 = 112$

Replace symbols with computer

symbols $* = \times$ $/ = \div$

NUMBER1

* 2 =

TOTAL

Challenge write a formula for
any number divide by 4

$$* = X \quad / = \div$$

Challenge write a formula for
any number divide by 4

$$3 * = X \quad / = \div$$

$$\text{NUMBER1} / 4 = \text{TOTAL}$$

Perimeter Distance around a 2D shape

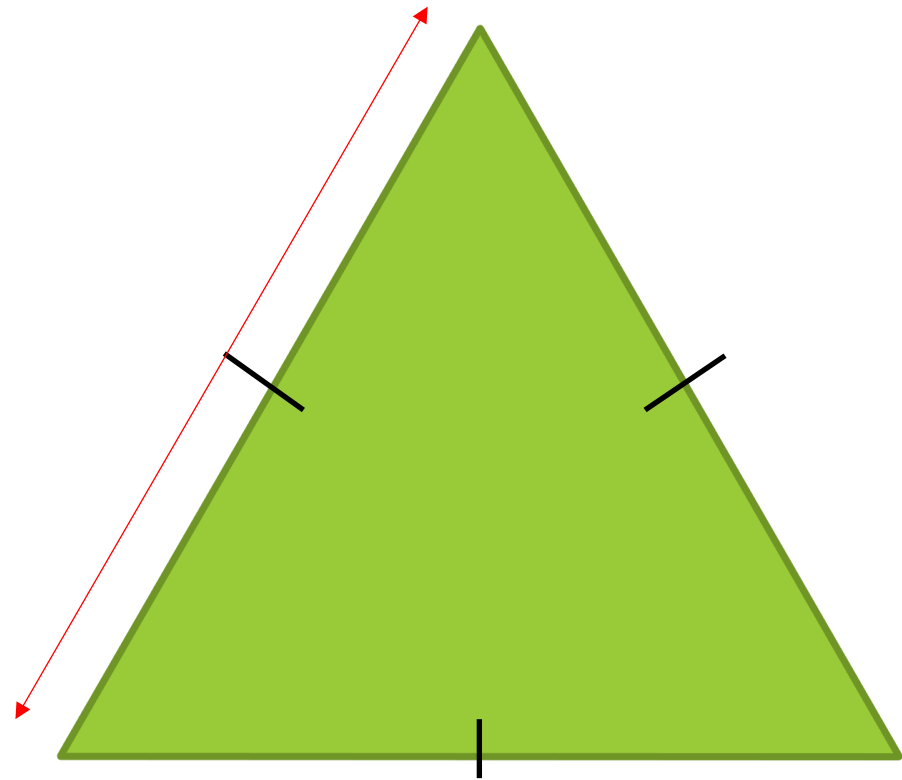
Write an algorithm/formula to calculate the **perimeter** of an equilateral triangle from the **length** of one side?

Variables you could use

length

perimeter

Symbols = + - * / you could use



Perimeter Distance around a 2D shape

Write an algorithm/formula to calculate the **perimeter** of an equilateral triangle from the **length** of one side?

$$\text{perimeter} = \text{length} * 3$$

$$\text{length} + \text{length} + \text{length} = \text{perimeter}$$