

Rearranging formulae card activities

Teacher's notes



How to use this resource

Print enough symbols on card and cut them out, so that either pairs of students or groups of four can use them.

Harder formula cards can be created for level 2

Give the cards out either at the beginning of the session or when students are asked to do calculations.

Introduce the subject using the accompanying power point 'Reverse Calculations and Rearranging Formulas.'

Explain the various terms, the processes involved and in particular emphasise the need to be able to do it in exams.

Rearranging formulae card activity

C	=	—
π	d	A
x	L	W
—	=	x
C	=	—
π	d	A
x	L	W
—	=	x

Rearranging formulae card activity

Name _____ Date _____



Answer the following questions.

A) Use the cards for the formula of a circumference of a circle.

$$C = \pi d$$

The C stands for the circumference, the d stands for the diameter of the circle and the π (pi) has a constant value of 3.14 (or $22/7$).

If the circumference of a pond is 18.84m, then what is the diameter of the pond?

Rearrange your formula to make **d** the subject, write this down here.

Work out your answer using the rearranged formula here.

B) Use the cards for the area of a square or a rectangle.

$$A = L \times W$$

Where A = the area of the rectangle, L = the length of the rectangle and the W = the width of the square.

A lawn has an area of 72m^2 and a width of 6m. What is the length of the lawn?

Rearrange the formula and write it down here.

Work out the value of the length using the formula.
