



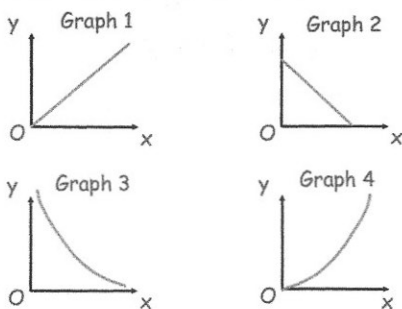
Make x the subject of

$$\sqrt[3]{\frac{2x}{y}} = w$$

$$\frac{2x}{y} = w^3$$

$$2x = w^3 y$$

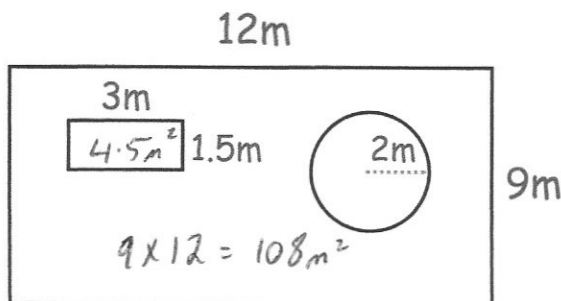
$$x = \frac{w^3 y}{2}$$



One of the graphs shows that y is inversely proportional to x.

Which graph?

3



There is a circular pond that has radius 2 metres.

The remainder of the garden is grass. Each bag of grass seed costs £4.60 and covers 10m².

Work out the total cost to re-seed the garden.

Belle wants to re-seed the grass in her garden.

The garden is 12 metres long and 9 metres wide.

There is a vegetable patch that is 3 metres long and 1.5 metres long.

$$\pi \times 2^2 = 12.566... \text{ m}^2$$

$$108 - 12.566... - 4.5 = 90.93... \text{ m}^2$$

10 bags needed

£46.00

The sum of Nita's age and Hannah's age is 102 years.

The difference between their ages is 52 years.

Hannah is younger than Nita.

Find the age of each woman.

Nita is 77 Hannah is 25

$$x + y = 102$$

$$x - y = 52$$

$$\hline 2x = 154$$

$$x = 77$$