

14th August

Corbettmaths

Estimate the cube root of 50.

Which of these equations has a rational solution?

Equation 1

$$\frac{3}{4}x^2 = 30$$

Equation 2

$$\frac{2}{25}x^3 = 10$$

Equation 3

$$\frac{2}{3}x^4 = 6$$

The probability that Ben goes running on a Sunday is 0.8

The probability that Carl goes running on a Sunday is 0.7

Calculate the probability that both Ben and Carl do not go for a run on Sunday.

x	2	4	b
y	20	a	5000

y is inversely proportional to the square of x

Find a and b .

A leaking fish tank loses 25% of its contents each day.
 Danny says that the fish tank will have lost over 90% of its original contents by the end of day 4.

Is Danny correct?