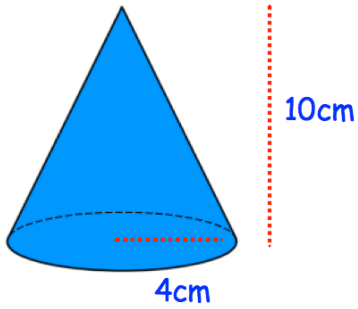


2nd January



Corbettmaths



Calculate the volume of the cone.

$$\sqrt{3^2 + 4^2 + 12^2} = \sqrt{3^2 + 4^2} + \sqrt{x^2}$$

x is a positive integer.
Find x .

Gary is playing cricket.
When attempting to catch the ball, the probability Gary is successful is $\frac{3}{4}$
During the game, Gary attempts two catches.



Find the probability Gary is successful with both catches.

Simplify

$$\frac{x^2 + 5x + 4}{x^2 + 4x + 3}$$

Find where the line $7y = 3x + 10$ meets the x -axis.

Name: _____

5-a-day

Higher