



A solid cube of side length 6cm, is made from a material with density 2.7g/cm^3

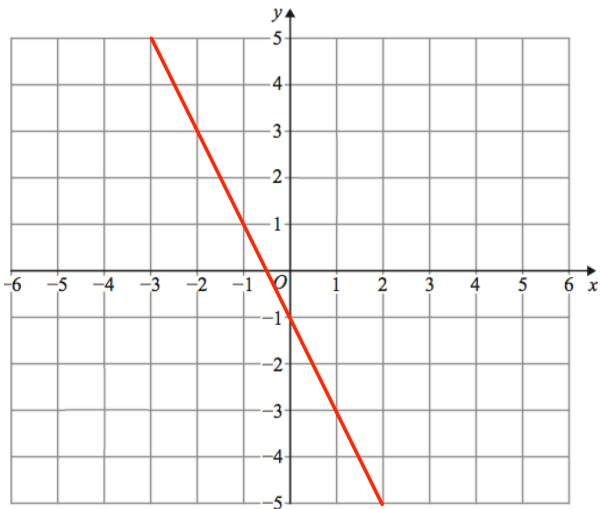
Calculate the mass of the cube.

Factorise

$$16 - y^2$$

Factorise

$$y^2 + 5y - 14$$



Write down the gradient of the line.

Work out the equation of the line

In a class, there are 21 students.
Of these students, 9 play football, 15 play cricket and 8 play both football and cricket.
A pupil is picked at random.
Find the probability that the pupil does not play football or cricket.