



Shown is a right angled triangle.

Find x .
Give your answer as a simplified surd.

The equation of a straight line is $5x + 2y = 7$

Work out the gradient of the line.

Work out the coordinates of the point where the line crosses the x-axis.

The ages of 15 rugby players are:

23 26 28 29 30

19 20 25 22 23

31 33 19 27 26

Draw a box plot to show this information

In an experiment, the number of cells halves every week.

At the beginning of the experiment there are 5.2×10^9 cells

How many cells are there after eight weeks?

Bag A contains $11x$ coins.
Bag B contains $3x$ coins.
95 coins are taken from Bag B and put into Bag A
The ratio of coins in Bag A to Bag B is now 48:1

Work out the total number of coins.