June 15	**5-a-day**	**Higher**

Solve 3x + 7 = 5x - 11

Where does the line y = 4x - 8 cross the y-axis?	Where does the line y = 4x - 8 cross the x-axis?

Show that the line y = 3x + 1 is perpendicular to the line x + 3y + 9 =0

Solve
x + y = 11
xy = 30

Year 7   120

Year 8   150

Year 9   130

Mr Jones is taking a stratified sample of 80 students.

How many year 9 students will he select?