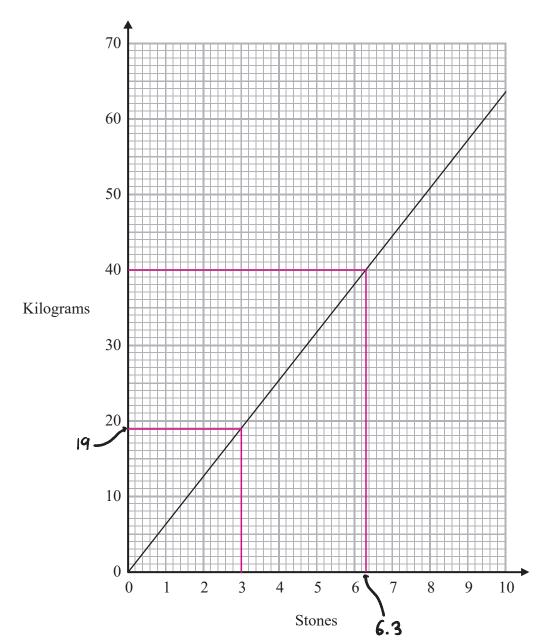
1. You can use this graph to change between stones and kilograms.



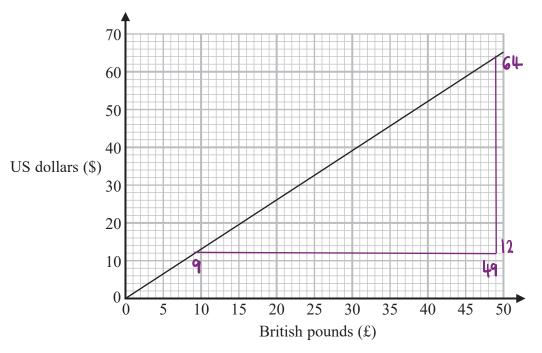
(a) Change 3 stones to kilograms.

kilograms (1)

(b) Change 80 kilograms to stones.

$$80 \div 2 = 40$$
 x2 $(40 \text{kg} = 6.3 \text{ stones})$ (2)

2. This graph can be used to change between US dollars (\$) and British pounds (£).



Rosie bought a ring in the USA. She paid 345 US dollars.

Work out in pounds the amount Rosie paid for the ring.

And equation of une:

gradient,
$$m_1 = \frac{\Delta y}{\Delta x} = \frac{64 - 12}{49 - 9} = 1.3$$

$$y = mx + C.$$

$$y = 1.3 x + 0$$

$$y = 1.3 x$$

Find x when y = 345:

$$y = 1.3 \times 1.3 \times$$

£ 265

(Total for Question is 3 marks)

 $\chi = 265.38...$ Rose paid \approx £265 for the ring.