12th March

Corbettmaths

Find an expression, in terms of n, for the nth term of the quadratic sequence

5 8 15 26

3 7 11

4 4

$a = 2$

$b = -3$

$c = 6$

$2n^2 - 3n + 6$

In a tin there are three different types of biscuit.

4 chocolate
3 digestive
2 shortbread

1 - P(same)

$P(cc) = \frac{4}{9} \times \frac{3}{8} = \frac{12}{72}$

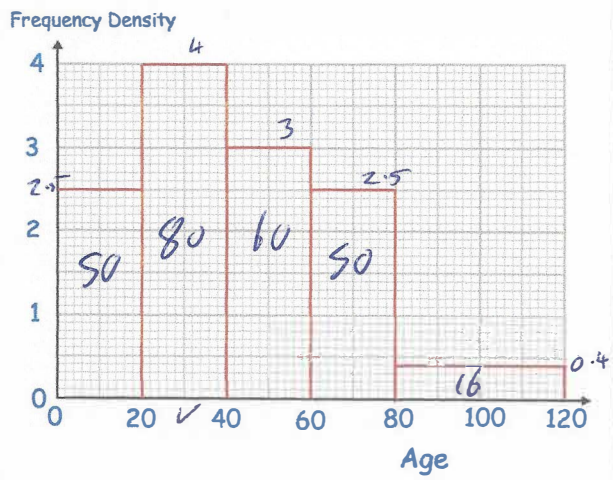
$P(dd) = \frac{3}{9} \times \frac{2}{8} = \frac{6}{72}$

$P(ss) = \frac{2}{9} \times \frac{1}{8} = \frac{2}{72}$

Tina takes two biscuits at random. Work out the probability that she takes two different types of biscuit.

$1 - \frac{20}{72} = \frac{52}{72}$

$\frac{13}{18}$



How many people are represented by this histogram?

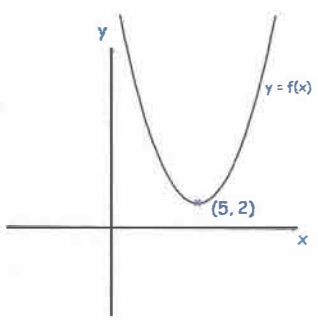
256

Estimate the median age.

128th value

$20 + \frac{78}{80} \times 20$

39.5



Shown is the curve with equation y = f(x)
The coordinates of the minimum point of the curve are (5, 2).

Write down the coordinates of the minimum point of the curve with equation
y = f(x + 6) – 4

6 left 4 down

(-1, -2)