



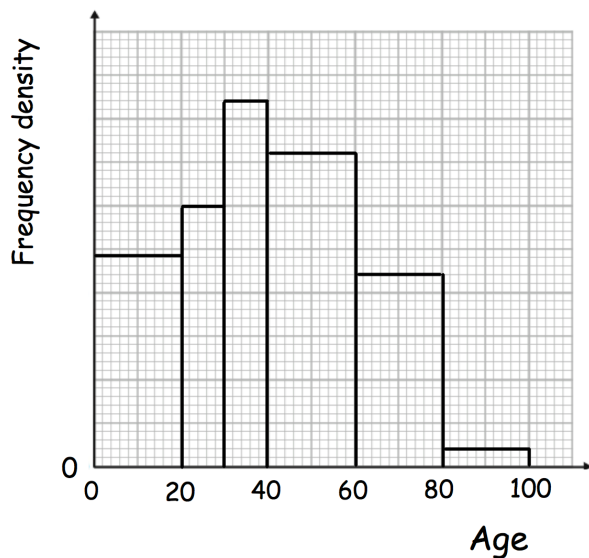
Solve

$$5x^2 = 4x + 9$$

A spinner has two sections.  
One section is red and the other section is black.  
If the spinner is spun three times, the probability of it landing on black three times is  $\frac{27}{125}$

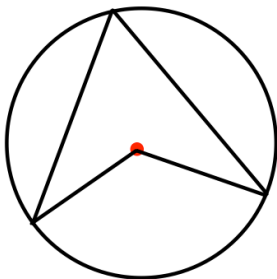
Find the probability of the spinner landing on red three times.

The histogram shows information about the ages of fans watching a netball match.



There are 130 fans watching the match that are either under 20 or over 80.

How many fans are watching the match altogether?



Prove that the angle at the centre is twice the angle at the circumference.