


Name: _____

5-a-day


Higher Plus

 Corbettmaths	
29th March	
Estimate	
$50 - \frac{3}{2}$	
The first 5 terms of a quadratic sequence are: 4, 10, 18, 28, 40	
Work out the difference between the 10 th and 20 th terms.	
There are x apples in a crate. 4 of the apples are bad.	
Fiona chooses two apples from the crate, without replacement. The probability she selects two bad apples is $\frac{1}{11}$	
Prove $x^2 - x - 132 = 0$	Find x, the number of apples in the crate.
Find where the tangent to the circle $x^2 + y^2 = 160$ at the point (4, -12) meets the x-axis.	

Name: _____

5-a-day

Higher Plus

 Corbettmaths	
29th March	
Estimate	
$50 - \frac{3}{2}$	
The first 5 terms of a quadratic sequence are: 4, 10, 18, 28, 40	
Work out the difference between the 10 th and 20 th terms.	
There are x apples in a crate. 4 of the apples are bad.	
Fiona chooses two apples from the crate, without replacement. The probability she selects two bad apples is $\frac{1}{11}$	
Prove $x^2 - x - 132 = 0$	Find x, the number of apples in the crate.
Find where the tangent to the circle $x^2 + y^2 = 160$ at the point (4, -12) meets the x-axis.	