

Name: _____

5-a-day

Higher

14th November A recipe for a drink says "mix 2 parts orange juice with 7 parts lemonade." Victoria has 100ml of orange juice and 300ml of lemonade.	Corbettmaths What is the maximum amount of the drink that she can make?
Find x	
Find the coordinates where the line $y = 8x - 15$ and the curve $y = x^2$ meet.	
Write 1008 as a product of prime factors. Express your answer in index form.	
Hence find the least number by which 1008 would need to be multiplied by to give a square number.	

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