




31st May		 Corbettmaths
<p>Oranges cost x pence each.</p> <p>Write an expression for the total cost of 5 oranges.</p> <p style="text-align: center;">$5x$</p>	<p>Bananas cost y pence each.</p> <p>Write an expression for the total cost of one orange and one banana.</p> <p style="text-align: center;">$x + y$</p>	
<p>Solve $4y + 6 = 12$</p> <p style="text-align: center;">$-6 \quad -6$</p> <p style="text-align: center;">$4y = 6$</p> <p style="text-align: center;">$\div 4 \quad \div 4$</p> <p style="text-align: center;">$y = 1.5$</p>	<p>Solve $10x - 3 = 8$</p> <p style="text-align: center;">$+3 \quad +3$</p> <p style="text-align: center;">$10x = 11$</p> <p style="text-align: center;">$\div 10 \quad \div 10$</p> <p style="text-align: center;">$x = 1.1$</p>	
<p>The probability of James winning a competition is 0.03</p> <p>What is the probability that James does not win the competition?</p>	0.97	
<p>Make w the subject</p> <p style="text-align: center;">$4w + c = m$</p> <p style="text-align: center;">$-c \quad -c$</p> <p style="text-align: center;">$4w = m - c$</p> <p style="text-align: center;">$\div 4 \quad \div 4$</p>	$w = \frac{m - c}{4}$	
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>150 sheets</p>  <p>Small 75p</p> </div> <div style="text-align: center;"> <p>400 sheets</p>  <p>Regular £2.08</p> </div> </div> <p>$75 \div 150 = 0.5p$ per page/sheet</p> <p>$208 \div 400 = 0.52p$ per page/sheet</p>	<p>Which of the two packets gives the better value for money?</p> <p>You must show your working.</p> <p style="text-align: center;"><i>Small pack is better value.</i></p>	