


13th March		 Corbettmaths								
<p>Simplify</p> $8w(2w + 3) - 3w(2 - 3w)$ $16w^2 + 24w - 6w + 9w^2$	$25w^2 + 18w$									
<p>Solve</p> $x^2 + 10x + 21 = 0$ $(x + 3)(x + 7) = 0$	$x = -3 \quad \text{or} \quad x = -7$									
<p>The rope on a roll is <math>4\frac{1}{2}</math> m long.</p> <p>Jenny wants 20 pieces of rope <math>\frac{5}{8}</math> m long.</p> <p>How many rolls of rope are needed? <span style="float: right; font-size: 2em;">3</span></p>	$\frac{20}{1} \times \frac{5}{8} = \frac{100}{8} = 12\frac{1}{2} \text{ m}$ <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Rolls</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>Rope</td> <td>4.5</td> <td>9</td> <td>13.5</td> </tr> </table>		Rolls	1	2	3	Rope	4.5	9	13.5
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<p>£400 is invested. The investment pays 10% every year.</p> <p>How much money will there be after 3 years?</p>	$400 \times 1.10^3 = 532.40$									
<p>The bearing of A from B is <math>140^\circ</math></p> <p>What is the bearing of B from A?</p>	