
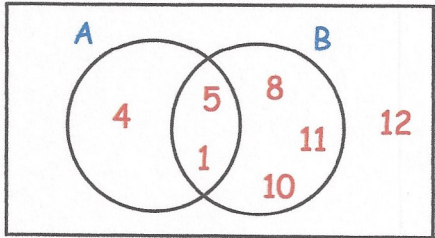
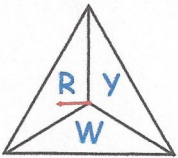


11th October		 Corbettmaths
<p>Find the gradient of the line with equation $2x + 5y = 3$</p> $5y = -2x + 3$ $y = -\frac{2}{5}x + \frac{3}{5}$		
<p>Find where the line crosses the x-axis.</p> $0 = -\frac{2}{5}x + \frac{3}{5}$ $\frac{2}{5}x = \frac{3}{5}$ $x = 1.5$		$(1.5, 0)$
<p>Solve using the quadratic formula</p> $4x^2 - 12x + 9 = 0$ $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ <p style="text-align: right;">$a = 4$ $b = -12$ $c = 9$</p>		$x = \frac{12 \pm \sqrt{144 - 144}}{8}$ $x = \frac{12}{8} = 1.5$
<p>ξ</p> 	<p>Write down $P(A \cap B)$</p> $\frac{2}{7}$ <p>Write down $P(A' \cap B')$</p> $\frac{1}{7}$	
 <p>The spinner is spun three times.</p> $P(\text{no red}) = \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3}$ $= \frac{8}{27}$	<p>Find the probability that the spinner lands on red (R) at least once.</p> $1 - P(\text{no red})$ $\frac{19}{27}$	