
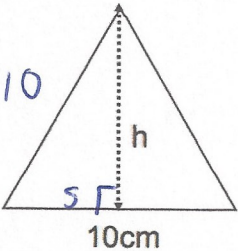


12th September		 Corbettmaths
<p>Expand and simplify</p> <p>$(w + 5)(w - 6)$</p> $w^2 - 6w + 5w - 30$ $w^2 - w - 30$	<p>Factorise completely</p> <p>$4a^2 - 8a$</p> $4a(a - 2)$	
<p>Write 0.00000092 in standard form.</p> 9.2×10^{-7}	<p>Write 150×10^6 in standard form.</p> 1.5×10^8	
<p>A circle has circumference 80cm.</p> <p>Find the area.</p> $80 \div \pi =$ $25.464\dots$ $r = 12.73\dots$	$\pi \times 12.73\dots^2$ 509.3 cm^2	
<p>Below is an equilateral triangle</p> 	<p>Calculate the height of the triangle.</p> $5^2 + h^2 = 10^2$ $25 + h^2 = 100$ $h^2 = 75$ $h = 8.66\dots \text{ cm}$	
<p>It takes 6 hours for 20 workers to seed 40 acres.</p> <p>How long would it take 10 people to seed 90 acres?</p>	$40 \text{ acres} = 120 \text{ w/h}$ $90 \text{ acres} = 270 \text{ w/h}$ 27 hours	