
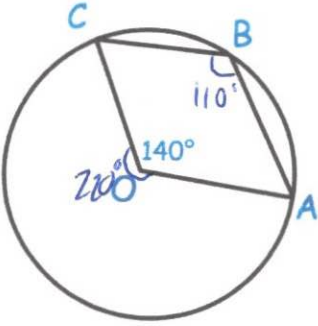
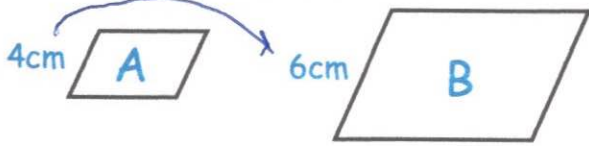


18th February		 Corbettmaths
<p>A bag of apples weighs 5kg, correct to the nearest kilogram.</p> <p>What is the greatest possible weight of four bags?</p> <p style="text-align: center;">$4 \times 5.5 \text{ kg}$</p>	<p>22 kg</p>	
<p>Find angle ABC</p> <p style="text-align: center;">110°</p>		
<p style="text-align: center;">$\times 1.5$</p>  <p>Above are two similar parallelograms.</p>	<p>The area of parallelogram A is 28cm^2 Work out the area of parallelogram B.</p> <p style="text-align: center;">$28 \times 1.5^2 = 63 \text{ cm}^2$</p>	
<p>James is a student of a class of 16 students, 5 of which wear glasses.</p> <p>1197 students attend the school.</p> <p>Use this information to estimate how many students in the school wear glasses.</p>	<p style="text-align: center;">$\frac{5}{16} \times 1197 \approx 374$</p> <p style="text-align: center;">or</p> <p style="text-align: center;">$\frac{5}{16} \times 1200 = 375$</p> <p style="text-align: center;">or</p> <p style="text-align: center;">$\frac{5}{15} \times 1200 = 400$</p>	
<p>A different bag contains 4 red apples and 6 green apples. Three apples are taken from the bag, one at a time, with replacement.</p> <p style="text-align: center;">$P(R) \frac{4}{10} = \frac{2}{5}$</p> <p>What is the probability of three red apples?</p>	<p>$P(RRR) = \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5}$</p> <p style="text-align: center;">$= \frac{8}{125}$</p>	