
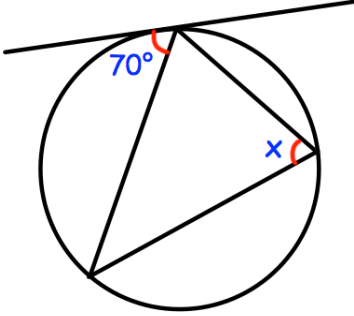


10th February		 Corbettmaths
<p>A large bottle of water is 14cm tall.            A small bottle is 7cm tall.            The bottles are mathematically similar.            David claims the small bottle contains half the amount of water than the large bottle.</p>	<p>Show he is wrong.</p>	
<p>Solve, giving your answers to one decimal place.</p> $2x^2 = 9x + 40$		
	<p>Find x</p>	
<p>Jenna asked 40 people which fizzy drink they liked from Coca-Cola, Pepsi and Fanta.</p> <p>39 people liked at least one of the drinks            8 people liked all three drinks            3 people liked Pepsi and Coca-Cola but not Fanta.            29 people liked Fanta and Coca-Cola.            34 people liked Pepsi and Fanta.            18 people liked Coca-Cola.            2 people liked only Fanta.</p> <p>Jenna picks one person at random from the 40 people.</p>	<p>Work out the probability that this person likes Pepsi.</p> <hr/> <p>Given that the person selected likes Pepsi, find the probability that this person likes both Fanta and Coca-Cola.</p>	