

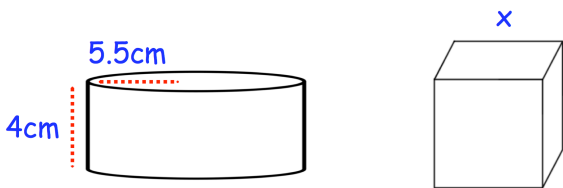
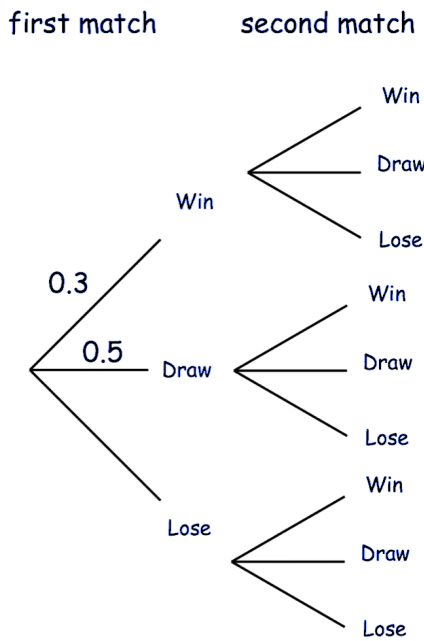


The probability that a football team wins a match is 0.3  
 The probability that they draw is 0.5

The football team plays two matches

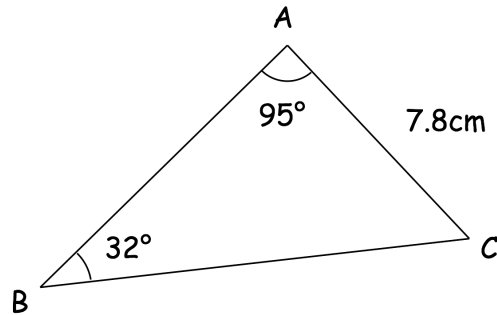
A win is worth 3 points, a draw 1 point and a loss 0 points

Calculate the probability that the team scores at least 3 points over the two matches.



The cylinder and cube below have the same surface area.  
 Find the side length of the cube, x.

Find the length of BC



w is inversely proportional to the square root of c.

When  $w = 2$ ,  $c = 100$ .

Find w when  $c = 400$ .