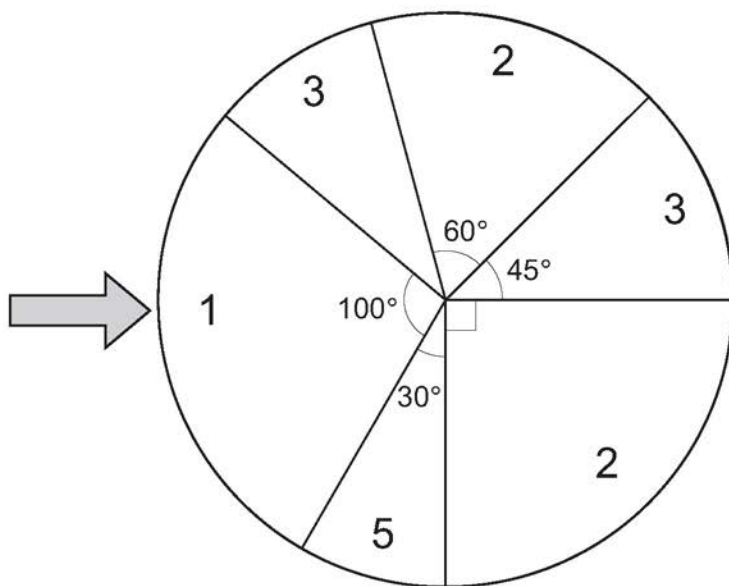**17**   A game consists of spinning a circular wheel divided into numbered sectors as shown below.

On each spin the score, X, is the value shown in the sector that the arrow points to when the spinner stops.

The probability of the arrow pointing at a sector is proportional to the angle subtended at the centre by that sector.

17 (a)   Show that $P(X = 1) = \dfrac{5}{18}$

[1 mark]

17 (b)   Complete the probability distribution for X in the table below.

x	1			
$P(X = x)$	$\dfrac{5}{18}$			

[2 marks]