

Expected Outcomes *ramp up*

a A fair coin is flipped 40 times. How many heads would you expect? _____	b A fair dice is rolled 60 times. How many 6s would you expect? _____	c $P(\text{win}) = 0.3$. 50 games are played. How many wins would you expect? _____	d $P(\text{win}) = \frac{2}{5}$. 35 games are played. How many wins would you expect? _____								
e A fair dice is rolled 60 times. How many even numbers would you expect? _____	f 3 red and 2 blue counters, 40 picks with replacement. Expected reds? _____	g $P(\text{red}) = 0.3$. In 80 spins, how many would you expect not to be red? _____	h Expected Cs in 60 spins? <table><tr><td>Outcome</td><td>A</td><td>B</td><td>C</td></tr><tr><td>Probability</td><td>0.2</td><td>0.5</td><td>?</td></tr></table> _____	Outcome	A	B	C	Probability	0.2	0.5	?
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i Red comes up 12 times in 50 spins. Estimate the number of reds in 300 spins. _____	j $P(\text{win}) = 0.2$. 30 wins are expected. How many games are played? _____	k A fair coin is flipped 40 times. Is it certain to land on heads 20 times? _____	l A fair coin lands on heads 5 times in a row. Find $P(\text{head next})$. _____								

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