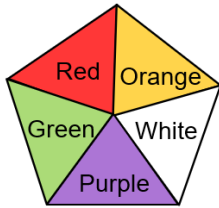
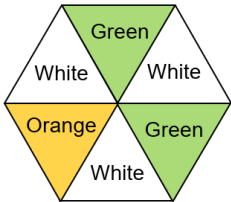
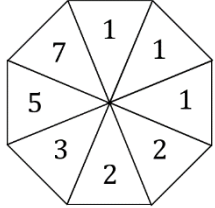
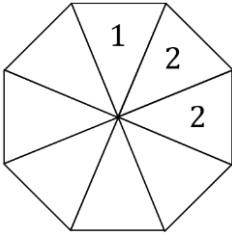
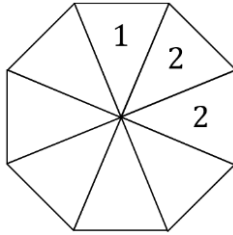


## Theoretical Probability with Spinners

<p>The fair five-sided spinner shown is spun once.</p> 	<p><b>(a)</b></p> <p>What is the probability of the spinner landing on green?</p>	<p><b>(b)</b></p> <p>What is the probability of the spinner landing on purple or white?</p>	<p><b>(c)</b></p> <p>What is the probability of the spinner landing on black?</p>	<p><b>(d)</b></p> <p>Sania spins the spinner 50 times. How many times would she expect it to land on orange?</p>
<p>The fair six-sided spinner shown is spun once.</p> 	<p><b>(e)</b></p> <p>What is the probability of the spinner landing on white?</p>	<p><b>(f)</b></p> <p>What is the probability that the spinner does not land on orange?</p>	<p><b>(g)</b></p> <p>Which is more likely – the spinner landing on white or the spinner landing on green?</p>	<p><b>(h)</b></p> <p>Lola spins the spinner 120 times. How many times would she expect it to land on white?</p>
<p>The fair eight-sided spinner shown is spun once.</p> 	<p><b>(i)</b></p> <p>What is the probability of the spinner landing on a number less than 10?</p>	<p><b>(j)</b></p> <p>What is the probability of the spinner landing on an odd number?</p>	<p><b>(k)</b></p> <p>What is the probability of the spinner not landing on a prime number?</p>	<p><b>(l)</b></p> <p>Aidan spins the spinner 80 times. How many times would he expect it to land on a 2 or 3?</p>
<p><b>(m)</b></p>		<p><b>(n)</b></p>		
 <p>Here is a fair eight-sided spinner. Complete the spinner so that:</p> <ul style="list-style-type: none"> <li>The probability of landing on a 1 is the same as the probability of landing on a 2</li> <li>The probability of landing on a 4 is <math>\frac{1}{8}</math></li> <li>The total of all the numbers on the spinner is 16.</li> </ul>	 <p>Here is a fair eight-sided spinner. Complete the spinner so that:</p> <ul style="list-style-type: none"> <li>The probability of landing on an odd number is 0.5</li> <li>The probability of spinning a 3 is the same as the probability of spinning a 4</li> <li>All the numbers on the spinner are less than 8</li> <li>The total of all the numbers is 24.</li> </ul>			