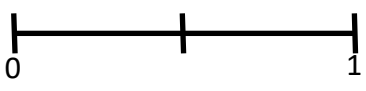
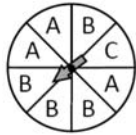

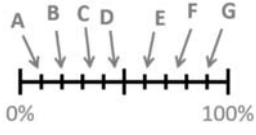


Year 10 : 1 Probability Mini Review

Objective	R	A	G
I understand and can use the probability scale.			
I can use a sample space diagrams.			
I can find the probability of an event not happening.			
I understand how to find the relative frequency of an event.			


<p><u>1. Probability scale : fluency</u></p> <p>Write the 2 correct words on this probability scale.</p> <p>.....</p> 	<p><u>5. Probability scale : reasoning</u></p> <p>For this spinner, write the letters on the probability scale.</p>  	<p><u>9. Probability scale : problem solving</u></p> <p>Which letter goes with these sentences?</p>  <p>P(late) = 0.2 </p> <p>P(rain) = 45% </p> <p style="text-align: right;">P(win) = $\frac{3}{5}$</p>																									
<p><u>2. Sample space : fluency</u></p> <p>Fill in the table for the product of 2 spinners when spun.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">6</td> <td style="text-align: right;">Spinner B</td> </tr> <tr> <td style="text-align: right;">Spinner A</td> <td style="border: 1px solid black; width: 40px; height: 40px;"></td> <td style="border: 1px solid black; width: 40px; height: 40px;"></td> <td style="border: 1px solid black; width: 40px; height: 40px;"></td> <td></td> </tr> <tr> <td style="text-align: right;">3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">6</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		2	3	6	Spinner B	Spinner A					3					4					6					<p><u>6. Sample space : reasoning</u></p> <p>A café has 3 main courses (A, B, C) and 2 desserts (D,E).</p> <p>I choose a main and a dessert. Draw a completed sample space diagram to show the meal combinations.</p>	<p><u>10. Sample space:problem solving</u></p> <p>Two fair, six-sided dice are rolled and scores added to give a total.</p> <p>Work out the probability that the total is a single-digit prime number.</p>
	2	3	6	Spinner B																							
Spinner A																											
3																											
4																											
6																											
<p><u>3. Not happening : fluency</u></p> <p>The probability of winning a game is 0.63.</p> <p>What is the probability of not winning?</p>	<p><u>7. Not happening : reasoning</u></p> <p>The probability of being late is 0.2</p> <p>What is the probability of being late on Monday <u>and</u> not late on Tuesday?</p>	<p><u>11. Not happening : problem solving</u></p> <p>The probability of rain each day is 0.3.</p> <p>What is the probability it does not rain, for 2 days?</p>																									
<p><u>4. Relative frequency : fluency</u></p> <p>I roll a dice 60 times and get the number one 11 times. What is the relative frequency of rolling a one?</p>	<p><u>8. Relative frequency : reasoning</u></p> <p>I roll a dice 80 times and get the number one 11 times and the number two 8 times. What is the relative frequency of NOT rolling a one or two?</p>	<p><u>12. Relative freq:problem solving</u></p> <p>The relative frequency of picking a red counter is 0.24.</p> <p>I pick 200 counters at random. How many red counters would I expect to pick?</p>																									

Year 10 : 1 Probability Mini Review

1. Probability scale : fluency

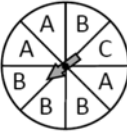

Write the 2 correct words on this probability scale.

.....



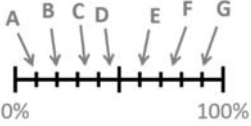
5. Probability scale : reasoning

For this spinner, write the letters on the probability scale.

9. Probability scale : problem solving

Which letter goes with these sentences?



P(late) = 0.2

P(rain) = 45%

P(win) = $\frac{3}{5}$

2. Sample space : fluency

Fill in the table for the **product** of 2 spinners when spun.

	2	3	6	Spinner B
Spinner A	3			
	4			
	6			

6. Sample space : reasoning

10. Sample space:problem solving

3. Not happening : fluency

7. Not happening : reasoning

11. Not happening : problem solving

4. Relative frequency : fluency

8. Relative frequency : reasoning

12. Relative freq:problem solving