



<p>1. The chance that the sun rises tomorrow is _____, and the chance that the sun does not set tomorrow is _____.</p>	<p>2. The chance of getting <i>tail</i> is _____ when a coin is tossed. The chance of getting <i>head</i> is _____ when the same coin is tossed.</p>
<p>3. The chance that you have roast beef for breakfast before you go to school tomorrow is closest to _____. The chance that you get out of bed before 3 pm tomorrow is _____.</p>	<p>4. Write another expression to mean even chance.</p>
<p>5. (a) Write the chance of one-in-three as a fraction. (b) Express the chance of $\frac{1}{5}$ in words.</p>	<p>6. What is the meaning of <i>odds on</i>?</p>
<p>7. Six matches are arranged in three rows as shown below. I II III Two players take turns to remove one or more matches from any one of the three rows at each turn. The player who removes the last match is the <i>loser</i>. It is <i>unfair</i> to which player, the one who starts first or the one who follows?</p>	<p>8. Nine matches are arranged in three rows as shown below. II III III Two players take turns to remove one or more matches from any one of the three rows at each turn. The player who removes the last match is the <i>loser</i>. It is <i>unfair</i> to which player, the one who starts first or the one who follows?</p>
<p>9. 2 marbles are drawn from a bag containing 1 blue and 2 red marbles. What is the probability that the 2 marbles have different colours?</p>	<p>10. 2 marbles are drawn from a bag containing 1 blue, 1 red and 2 green marbles. What is the probability that the 2 marbles have the same colour?</p>
<p>11. 3 marbles are drawn from a bag containing 1 blue, 1 red and 2 green marbles. What is the probability that all 3 marbles have different colours?</p>	<p>12. 3 marbles are drawn from a bag containing 2 blue, 2 red and 2 green marbles. What is the probability that 2 of them have the same colour?</p>

Numerical, algebraic and worded answers.

- 11. 1/2
- 12. 3/5
- 9. 1/3
- 10. 1/6
- 7. first
- 8. second
- 5a. 1/3
- 5b. one-in-five
- 6. very likely
- 3. 0.1
- 1. 1.0
- 4. fifty-fifty