

Name _____

Date _____
(Answer ID # 0296476)

Probability

Find the probability. Assume that the spinner is separated into equal sections.

1. You roll a cube which has the numbers 4, 5, 8, 10, 11, and 12 on it. You then spin a spinner which has 7 sections. The letters on the spinner are A, H, E, G, F, K, and C. P(12 and C)	2. You flip a coin and toss a 1-6 number cube. P(3 and heads)
3. You roll a cube which has the numbers 11, 12, 12, 11, 20, and 20 on it. You then spin a spinner which has 4 sections. The letters on the spinner are A, B, F, and C. P(not A and 12)	4. You roll a number cube numbered from 1 to 6. You then spin a spinner with 8 sections each with a different color. The spinner has the colors white, violet, black, gray, brown, red, orange, and pink. P(violet and 6)
5. You roll a number cube numbered from 1 to 6. You then spin a spinner with 3 sections each with a different color. The spinner has the colors navy, orange, and yellow. P(orange and a composite number)	6. You flip a coin and toss a 1-6 number cube. P(a number less than 4 and not tails)
7. You roll a cube which has the numbers 15, 16, 18, 19, 22, and 23 on it. You then spin a spinner which has 3 sections. The letters on the spinner are F, H, and J. P(H and 19)	8. You roll a cube which has the numbers 10, 2, 5, 8, 10, and 11 on it. You then spin a spinner which has 8 sections. The letters on the spinner are A, D, A, G, A, C, C, and J. P(11 and C)
9. You roll a cube which has the numbers 5, 8, 9, 10, 11, and 14 on it. You then spin a spinner which has 5 sections. The letters on the spinner are K, D, G, J, and E. P(K and 8, 10, 5, or 11)	10. You flip a coin and toss a 1-6 number cube. P(not tails and 4)

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<p>1. You roll a cube which has the numbers 4, 5, 8, 10, 11, and 12 on it. You then spin a spinner which has 7 sections. The letters on the spinner are A, H, E, G, F, K, and C. P(12 and C)</p> <p>$\frac{1}{42}$ or 0.024</p>	<p>2. You flip a coin and toss a 1-6 number cube. P(3 and heads)</p> <p>$\frac{1}{12}$ or 0.083</p>
<p>3. You roll a cube which has the numbers 11, 12, 11, 20, and 20 on it. You then spin a spinner which has 4 sections. The letters on the spinner are A, B, F, and C. P(not A and 12)</p> <p>$\frac{1}{4}$ or 0.25</p>	<p>4. You roll a number cube numbered from 1 to 6. You then spin a spinner with 8 sections each with a different color. The spinner has the colors white, violet, black, gray, brown, red, orange, and pink. P(violet and 6)</p> <p>$\frac{1}{48}$ or 0.021</p>
<p>5. You roll a number cube numbered from 1 to 6. You then spin a spinner with 3 sections each with a different color. The spinner has the colors navy, orange, and yellow. P(orange and a composite number)</p> <p>$\frac{1}{9}$ or 0.111</p>	<p>6. You flip a coin and toss a 1-6 number cube. P(a number less than 4 and not tails)</p> <p>$\frac{1}{4}$ or 0.25</p>

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<p>7. You roll a cube which has the numbers 15, 16, 18, 19, 22, and 23 on it. You then spin a spinner which has 3 sections. The letters on the spinner are F, H, and J. P(H and 19)</p> <p>$\frac{1}{18}$ or 0.056</p>	<p>8. You roll a cube which has the numbers 10, 2, 5, 8, 10, and 11 on it. You then spin a spinner which has 8 sections. The letters on the spinner are A, D, A, G, A, C, C, and J. P(11 and C)</p> <p>$\frac{1}{24}$ or 0.042</p>
<p>9. You roll a cube which has the numbers 5, 8, 9, 10, 11, and 14 on it. You then spin a spinner which has 5 sections. The letters on the spinner are K, D, G, J, and E. P(K and 8, 10, 5, or 11)</p> <p>$\frac{2}{15}$ or 0.133</p>	<p>10. You flip a coin and toss a 1-6 number cube. P(not tails and 4)</p> <p>$\frac{1}{12}$ or 0.083</p>