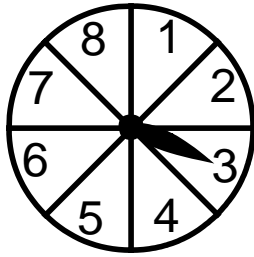


## Probability Skill 4 - 22C

## Outcomes

What is the probability of the spinner stopping on 4?



The probability that the spinner will stop on 4 is 1 out of 8. There are 8 possible outcomes (1, 2, 3, 4, 5, 6, 7, and 8). You can state probability as a fraction.

One out of eight can be written  $\frac{1}{8}$ .

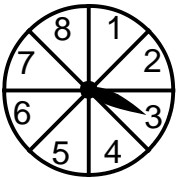
$\frac{1}{8}$  ← one favorable outcome  
 $\frac{1}{8}$  ← eight possible outcomes

## Examples

Directions: What is the probability of each event?

## Example 1

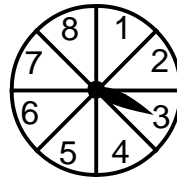
spinning a 7



Answer:  $\frac{1}{8}$

## Example 2

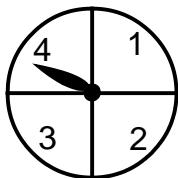
spinning a 3 or 5



Answer:  $\frac{2}{8}$  or the equivalent fraction  $\frac{1}{4}$

## Example 3

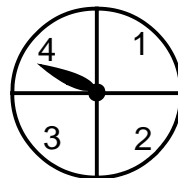
spinning a 3



Answer:  $\frac{1}{4}$

## Example 4

spinning a 1 or 3

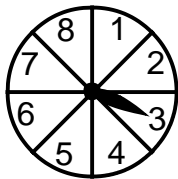


Answer:  $\frac{2}{4}$  or  $\frac{1}{2}$

1.

spinning a 2

Circle one.

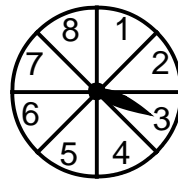


- a.  $\frac{1}{4}$       b.  $\frac{1}{2}$   
 c.  $\frac{1}{8}$       d.  $\frac{2}{8}$

2.

spinning a 2 or 3

Circle one.

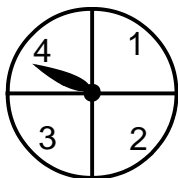


- a.  $\frac{2}{4}$       b.  $\frac{3}{4}$   
 c.  $\frac{1}{4}$       d.  $\frac{1}{8}$

3.

spinning a 2

Circle one.

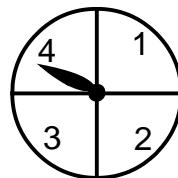


- a.  $\frac{4}{4}$       b.  $\frac{1}{4}$   
 c.  $\frac{1}{8}$       d.  $\frac{3}{4}$

4.

spinning a 2 or 4

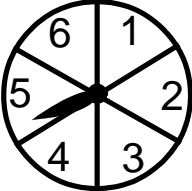
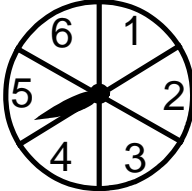
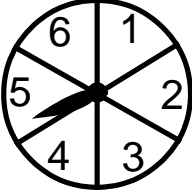
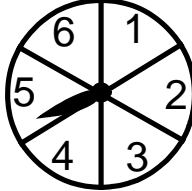
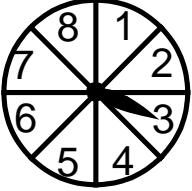
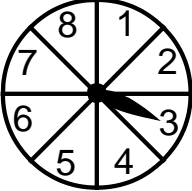
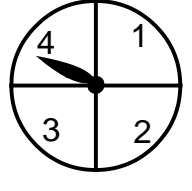
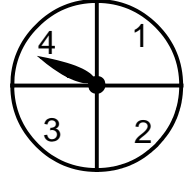
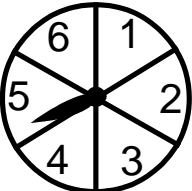
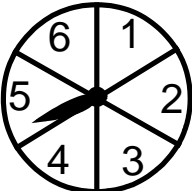
Circle one.



- a.  $\frac{3}{4}$       b.  $\frac{1}{2}$   
 c.  $\frac{1}{4}$       d.  $\frac{3}{8}$

## Probability Skill 4 - 22C

## Outcomes

<p>5. spinning a 5</p>  <p>Circle one.</p> <p>a. <math>\frac{3}{6}</math>      b. <math>\frac{4}{5}</math> c. <math>\frac{2}{3}</math>      d. <math>\frac{1}{6}</math></p>	<p>6. spinning a number greater than 3</p>  <p>Circle one.</p> <p>a. <math>\frac{1}{2}</math>      b. <math>\frac{2}{3}</math> c. <math>\frac{3}{8}</math>      d. <math>\frac{2}{6}</math></p>
<p>7. spinning a 2 or 3</p>  <p>Circle one.</p> <p>a. <math>\frac{3}{6}</math>      b. <math>\frac{1}{3}</math> c. <math>\frac{3}{8}</math>      d. <math>\frac{4}{5}</math></p>	<p>8. spinning an odd number</p>  <p>Circle one.</p> <p>a. <math>\frac{2}{6}</math>      b. <math>\frac{3}{7}</math> c. <math>\frac{2}{4}</math>      d. <math>\frac{1}{2}</math></p>
<p>9. spinning an even number</p>  <p>Circle one.</p> <p>a. <math>\frac{3}{4}</math>      b. <math>\frac{1}{2}</math> c. <math>\frac{2}{8}</math>      d. <math>\frac{6}{8}</math></p>	<p>10. spinning a 7</p>  <p>Circle one.</p> <p>a. <math>\frac{7}{8}</math>      b. <math>\frac{1}{8}</math> c. <math>\frac{6}{8}</math>      d. <math>\frac{2}{8}</math></p>
<p>11. spinning an even number</p>  <p>Circle one.</p> <p>a. <math>\frac{3}{4}</math>      b. <math>\frac{1}{4}</math> c. <math>\frac{1}{2}</math>      d. <math>\frac{2}{3}</math></p>	<p>12. spinning a 1</p>  <p>Circle one.</p> <p>a. <math>\frac{1}{4}</math>      b. <math>\frac{3}{4}</math> c. <math>\frac{1}{2}</math>      d. <math>\frac{2}{4}</math></p>
<p>13. spinning an even number</p>  <p>Circle one.</p> <p>a. <math>\frac{1}{2}</math>      b. <math>\frac{5}{8}</math> c. <math>\frac{3}{4}</math>      d. <math>\frac{2}{8}</math></p>	<p>14. spinning a 1 or 2</p>  <p>Circle one.</p> <p>a. <math>\frac{4}{6}</math>      b. <math>\frac{1}{3}</math> c. <math>\frac{1}{6}</math>      d. <math>\frac{5}{6}</math></p>

Answer Key: Skill 22C Grade 4

1. one out of 8;  $\frac{1}{8}$     2. two out of eight;  $\frac{2}{8}$  or  $\frac{1}{4}$     3. one out of four;  $\frac{1}{4}$     4. two out of four;  $\frac{2}{4}$  or  $\frac{1}{2}$     5. one out of six;  $\frac{1}{6}$
6. three out of six;  $\frac{3}{6}$  or  $\frac{1}{2}$     7. two out of six;  $\frac{2}{6}$  or  $\frac{1}{3}$     8. three out of six;  $\frac{3}{6}$  or  $\frac{1}{2}$     9. four out of eight;  $\frac{4}{8}$  or  $\frac{1}{2}$     10. one out of 8;  $\frac{1}{8}$
11. two out of four;  $\frac{2}{4}$  or  $\frac{1}{2}$     12. one out of four;  $\frac{1}{4}$     13. three out of six;  $\frac{3}{6}$  or  $\frac{1}{2}$     14. two out of six;  $\frac{2}{6}$  or  $\frac{1}{3}$