

# Probability Worksheet

1. An experiment consists of randomly drawing a cube from a bag containing three red and two blue cubes.

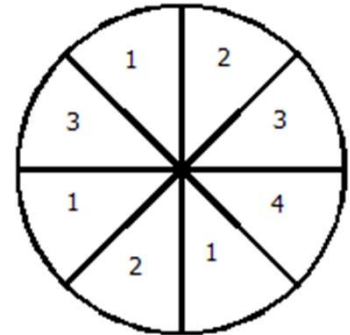
a) What is the sample space of this experiment?

b) List the probability of each outcome in the sample space.

c) Is the probability of selecting a red cube equal to the probability of selecting a blue cube? Explain.

2. An experiment consists of spinning the spinner once.

a) Find the probability of landing on a 2.



b) Find the probability of landing on a 1.

c) Is landing in each section of the spinner equally likely to occur? Explain.

# Probability Worksheet

1. An experiment consists of randomly drawing a cube from a bag containing three red and two blue cubes.

a) What is the sample space of this experiment?

*Red, blue*

b) List the probability of each outcome in the sample space.

*Probability of red is  $\frac{3}{5}$ . Probability of blue is  $\frac{2}{5}$ .*

c) Is the probability of selecting a red cube equal to the probability of selecting a blue cube? Explain.

*No. There are more red cubes than blue cubes, so red has a greater probability of being chosen.*

2. An experiment consists of spinning the spinner once.

a) Find the probability of landing on a 2.

$\frac{2}{8}$  or  $\frac{1}{4}$

b) Find the probability of landing on a 1.

$\frac{3}{8}$

c) Is landing in each section of the spinner equally likely to occur? Explain.

*Yes. Each section is the same size.*

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