

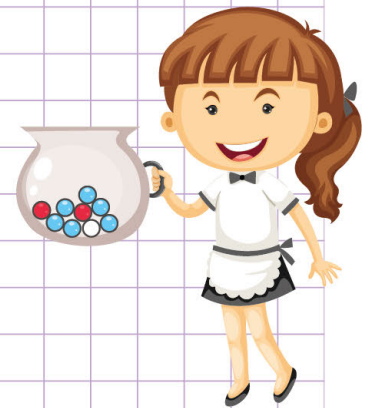
Name: Class:

Find the probability

$$\text{Probability} = \frac{\text{Number of favourable outcomes (f)}}{\text{Number of possible outcomes (p)}}$$

1. Leslie has 2 red balls, 1 white ball and 6 blue balls in a jug.
If he picks a ball without looking, what is the probability that it will be?

a. A red ball



b. A white ball

b. A blue ball

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$$\text{Probability} = \frac{\text{Number of favourable outcomes (f)}}{\text{Number of possible outcomes (p)}}$$

1. Leslie has 2 red balls, 1 white ball and 6 blue balls in a jug.
If he picks a ball without looking, what is the probability that it will be?

a. A red ball

Let's first of all write down the information given in the spinner.

-Number of possible outcomes = $2 + 6 + 1 = 9$

-Number of favorable outcomes = 2 red balls

Now, we find the probability using the formula above

$$\text{Probability} = \frac{\text{Number of favourable outcomes (f)}}{\text{Number of possible outcomes (p)}}$$

$$\text{Probability} = \frac{2}{9}$$

So, the probability that Leslie will pick a red ball = $\frac{2}{9}$

b. A white ball

Let's first of all write down the information given in the spinner.

-Number of possible outcomes = $2 + 1 + 6 = 9$

-Number of favorable outcomes = 1 white ball

$$\text{Probability (P)} = \frac{1}{9}$$

So, the probability that Leslie will pick a white ball = $\frac{1}{9}$

b. A blue ball

Let's first of all write down the information given in the spinner.

-Number of possible outcomes = $2 + 1 + 6 = 9$

-Number of favorable outcomes = 6 blue balls

$$\text{Probability (P)} = \frac{6}{9} = \frac{2}{3}$$

So, the probability that Leslie will pick a blue ball = $\frac{2}{3}$

