

Predict counts from probability — Probability as a percent

Name: _____

Date: _____



Predict how many times each event happens.

1 $P(\text{blue}) = 84\%$. In 50 draws, how many are blue?

3 $P(\text{heads}) = 90\%$. In 20 flips, how many are heads?

5 $P(\text{a win}) = 32\%$. In 200 games, how many are wins?

7 $P(\text{heads}) = 40\%$. In 20 flips, how many are heads?

2 $P(\text{red}) = 75\%$. In 300 spins, how many land on red?

4 $P(\text{red}) = 50\%$. In 120 spins, how many land on red?

6 $P(\text{blue}) = 75\%$. In 40 draws, how many are blue?

8 $P(\text{blue}) = 75\%$. In 300 draws, how many are blue?



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— Answer key



1. $P(\text{blue}) = 84\%$. In 50 draws, how many are blue?
→ 42

2. $P(\text{red}) = 75\%$. In 300 spins, how many land on red? → 225

3. $P(\text{heads}) = 90\%$. In 20 flips, how many are heads?
→ 18

4. $P(\text{red}) = 50\%$. In 120 spins, how many land on red? → 60

5. $P(\text{a win}) = 32\%$. In 200 games, how many are wins?
→ 64

6. $P(\text{blue}) = 75\%$. In 40 draws, how many are blue?
→ 30

7. $P(\text{heads}) = 40\%$. In 20 flips, how many are heads?
→ 8

8. $P(\text{blue}) = 75\%$. In 300 draws, how many are blue?
→ 225