



Probability and Data

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Flipping two fair coins, the chance of getting two heads is 1 in _____ .
2. A spinner has 4 equal sectors. The chance of landing on red is _____ out of 4.
3. Out of 20 spins, red came up 5 times. The experimental probability is _____ out of 20.
4. If the chance of rain is 1 in 5, then in 25 days you expect rain on about _____ days.
5. Flipping two coins, the chance of getting one head and one tail is _____ out of 4.
6. A spinner with sectors red, blue, green, yellow lands on green with chance _____ out of 4.
7. If a die shows 4 in 6 of 30 rolls, the experimental probability is _____ out of 30.
8. Two coins flipped 40 times, expect about _____ flips of two heads.
9. A 4-sector spinner spun 16 times should land on blue about _____ times.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Two-coin flip outcomes	→ _____	HH, HT, TH, TT total four
Four-sector spinner	→ _____	Each color has 1 in 4 chance
Experimental probability	→ _____	Based on observed data counts
Predicted outcomes	→ _____	Multiply chance by total trials

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Flipping two fair coins, the chance of getting two heads is 1 in 4 .
2. A spinner has 4 equal sectors. The chance of landing on red is 1 out of 4.
3. Out of 20 spins, red came up 5 times. The experimental probability is 5 out of 20.
4. If the chance of rain is 1 in 5, then in 25 days you expect rain on about 5 days.
5. Flipping two coins, the chance of getting one head and one tail is 2 out of 4.
6. A spinner with sectors red, blue, green, yellow lands on green with chance 1 out of 4.
7. If a die shows 4 in 6 of 30 rolls, the experimental probability is 6 out of 30.
8. Two coins flipped 40 times, expect about 10 flips of two heads.
9. A 4-sector spinner spun 16 times should land on blue about 4 times.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Two-coin flip outcomes	→ <u>HH, HT, TH, TT total four</u>	HH, HT, TH, TT total four
Four-sector spinner	→ <u>Each color has 1 in 4 chance</u>	Each color has 1 in 4 chance
Experimental probability	→ <u>Based on observed data counts</u>	Based on observed data counts
Predicted outcomes	→ <u>Multiply chance by total trials</u>	Multiply chance by total trials