Repeated experiments

6 practice questions

1. A die is rolled once. How many trials is that?

One roll is one repeat of the action.

Answer: 1 trial.

2. A coin record contains 8 heads and 7 tails. Find the number of tosses.

$8 + 7 = 15.$

Answer: 15 tosses.

3. A class plans 20 tosses but records 12 heads and 6 tails. How many results are missing?

$12 + 6 = 18.$

$20 - 18 = 2.$

Answer: 2 results.

4. A bag experiment should use the same collection each time. What two actions should follow reading a chosen counter?

This restores the setup and prepares another choice.

Answer: Put the counter back and mix the bag again.

5. A die record has frequencies $2, 1, 3, 2, 2$ and 2 for faces 1 to 6. Check the trial total and name the most frequent face.

$2 + 1 + 3 + 2 + 2 + 2 = 12$.

Answer: 12 trials; face 3 with 3 results.

6. Toss a coin 10 times and record the counts, or use this sample: H, T, H, H, T, T, H, T, H, H. Give the head and tail counts.

Count every result once.

For the sample, $6 + 4 = 10$.

Answer: Sample: heads 6, tails 4. Actual experiment counts may differ but must total 10.