



Part A: Multiple Choice

Circle the best answer for each question.

1. A weather station recorded rain on 12 out of 30 days in April. What is the experimental probability of rain on any given April day?

- A) $\frac{1}{3}$
- B) $\frac{2}{5}$
- C) $\frac{1}{2}$
- D) $\frac{3}{5}$

2. A student recorded high temperatures of 55, 60, 65, 70, and 75 degrees over five spring days. What is the median temperature?

- A) 60 degrees
- B) 65 degrees
- C) 67 degrees
- D) 70 degrees

3. A garden log shows that tulips bloomed on day 14, daffodils on day 10, and crocuses on day 6. If the pattern continues with 4-day intervals, which flower blooms next on day 18?

- A) Roses
- B) Lilies
- C) Irises
- D) The next flower in the pattern blooms on day 18

4. A class planted 40 seeds. After one week, 32 had sprouted. What percent of the seeds sprouted?

- A) 60%
- B) 70%
- C) 75%
- D) 80%

Part B: Fill in the Blank

Write the correct answer on each line.

1. The middle value in an ordered set of numbers is called the _____.
2. To convert a fraction to a percent, divide the numerator by the denominator and multiply by _____.
3. A repeating sequence in data, such as bloom dates every 4 days, is called a _____.
4. Probability is always a number between 0 and _____, where 1 means the event is certain.
5. If 12 out of 30 days had rain, the fraction $\frac{12}{30}$ simplifies to _____.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. The middle value in an ordered set of numbers is called the median.
2. To convert a fraction to a percent, divide the numerator by the denominator and multiply by 100.
3. A repeating sequence in data, such as bloom dates every 4 days, is called a pattern.
4. Probability is always a number between 0 and 1, where 1 means the event is certain.
5. If 12 out of 30 days had rain, the fraction $\frac{12}{30}$ simplifies to $\frac{2}{5}$.