



# Data Interpretation

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: In a pictograph, each picture always means one item.

Rewrite: \_\_\_\_\_

2. Fix the sentence: On a stem-and-leaf plot, the stem is each single digit on the right.

Rewrite: \_\_\_\_\_

3. Fix the sentence: A tally mark group of four slashes with a cross means six items.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

1. If a pictograph key shows one star equals 4 books, then 6 stars equals \_\_\_\_\_ books.
2. On a stem-and-leaf plot, the entry stem 3 with leaf 7 represents the number \_\_\_\_\_.
3. A tally chart shows lll l (three plus one) for apples, meaning \_\_\_\_\_ apples were counted.
4. A frequency table lists 5, 7, 8, and 4 students; the total surveyed is \_\_\_\_\_ students.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how a tally chart can help you build a bar graph.

\_\_\_\_\_  
\_\_\_\_\_

2. Why do pictographs need a key?

\_\_\_\_\_  
\_\_\_\_\_

**Part A: Fix the Sentence**

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Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: In a pictograph, each picture always means one item.

Rewrite: In a pictograph, each picture means the number shown in the key.

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2. Fix the sentence: On a stem-and-leaf plot, the stem is each single digit on the right.

Rewrite: On a stem-and-leaf plot, the stem is the left digits and leaves are on the right.

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3. Fix the sentence: A tally mark group of four slashes with a cross means six items.

Rewrite: A tally group of four slashes with a cross means five items.

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**Part B: Fill in the Blank**

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Write the missing word or number on each line.

1. If a pictograph key shows one star equals 4 books, then 6 stars equals 24 books.
2. On a stem-and-leaf plot, the entry stem 3 with leaf 7 represents the number 37.
3. A tally chart shows III I (three plus one) for apples, meaning 4 apples were counted.
4. A frequency table lists 5, 7, 8, and 4 students; the total surveyed is 24 students.

**Part C: Short Answer**

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Answer each question in one or two complete sentences.

1. Explain how a tally chart can help you build a bar graph.

*Each tally group becomes the height of one bar, so categories with more tallies get taller bars on the graph.*

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2. Why do pictographs need a key?

*A key tells the value of each symbol so readers know if a picture stands for 1, 5, or more items when totaling.*

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