



# 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: Half of a pictograph symbol means zero of that item.

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

2. Fix the sentence: On a stem-and-leaf plot, leaves are listed in random order on each row.

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

3. Fix the sentence: A frequency table column labeled frequency shows the names of categories.

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

## Part B: Fill in the Blank

Write the missing word or number on each line.

1. If a pictograph key shows one apple equals 10 fruits, then 4 and a half apples equals \_\_\_\_\_ fruits.
2. A frequency table shows 8 cats, 6 dogs, and 4 birds; the total animals counted is \_\_\_\_\_.
3. On a stem-and-leaf plot with stem 4 and leaves 2, 5, 8, the largest value shown is \_\_\_\_\_.
4. If a tally chart has four full groups of five marks, the total count is \_\_\_\_\_.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. How do you find the smallest number on a stem-and-leaf plot?

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

2. When would you choose a pictograph instead of a tally chart?

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

**Part A: Fix the Sentence**

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

1. Fix the sentence: Half of a pictograph symbol means zero of that item.

Rewrite: Half of a pictograph symbol means half the key value of that item.

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2. Fix the sentence: On a stem-and-leaf plot, leaves are listed in random order on each row.

Rewrite: On a stem-and-leaf plot, leaves are listed in increasing order on each row.

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3. Fix the sentence: A frequency table column labeled frequency shows the names of categories.

Rewrite: A frequency table column labeled frequency shows the count of each category.

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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 apple equals 10 fruits, then 4 and a half apples equals 45 fruits.

2. A frequency table shows 8 cats, 6 dogs, and 4 birds; the total animals counted is 18.

3. On a stem-and-leaf plot with stem 4 and leaves 2, 5, 8, the largest value shown is 48.

4. If a tally chart has four full groups of five marks, the total count is 20.

**Part C: Short Answer**

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Answer each question in one or two complete sentences.

1. How do you find the smallest number on a stem-and-leaf plot?

*Look at the row with the smallest stem, then take its smallest leaf, and combine them to read the lowest data value.*

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2. When would you choose a pictograph instead of a tally chart?

*A pictograph works better for large counts because one symbol can stand for many items, making totals easier to read at a glance.*

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