



**THIRD SPACE  
LEARNING**

# Frequency table Worksheet

**Statistics and Probability**

**Grades 4 to 5**

## Skill Questions

Name: .....

Date: .....

- 1 The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.

| Length (inches) | Frequency |
|-----------------|-----------|
| 3               | 1         |
| $3\frac{1}{4}$  | 0         |
| $3\frac{1}{2}$  | 3         |
| $3\frac{3}{4}$  | 2         |
| 4               | 2         |
| $4\frac{1}{4}$  | 5         |
| $4\frac{1}{2}$  | 6         |
| $4\frac{3}{4}$  | 9         |
| 5               | 8         |

Which length has the highest frequency?

Answer

## Frequency table Worksheet | Grades 4 to 5

- 2 The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.

| Length (inches) | Frequency |
|-----------------|-----------|
| 3               | 1         |
| $3\frac{1}{4}$  | 0         |
| $3\frac{1}{2}$  | 3         |
| $3\frac{3}{4}$  | 2         |
| 4               | 2         |
| $4\frac{1}{4}$  | 5         |
| $4\frac{1}{2}$  | 6         |
| $4\frac{3}{4}$  | 9         |
| 5               | 8         |

Which length has the lowest frequency?

Answer

- 3 The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.

| Length (inches) | Frequency |
|-----------------|-----------|
| 3               | 1         |
| $3\frac{1}{4}$  | 0         |
| $3\frac{1}{2}$  | 3         |
| $3\frac{3}{4}$  | 2         |
| 4               | 2         |
| $4\frac{1}{4}$  | 5         |
| $4\frac{1}{2}$  | 6         |
| $4\frac{3}{4}$  | 9         |
| 5               | 8         |

How many bugs shown on the table are 4 inches long or greater?

Answer

## Frequency table Worksheet | Grades 4 to 5

- 4 The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.

| Length (inches) | Frequency |
|-----------------|-----------|
| 3               | 4         |
| $3\frac{1}{4}$  | 8         |
| $3\frac{1}{2}$  | 3         |
| $3\frac{3}{4}$  | 4         |
| 4               | 9         |
| $4\frac{1}{4}$  | 6         |
| $4\frac{1}{2}$  | 0         |
| $4\frac{3}{4}$  | 2         |
| 5               | 1         |

How many bugs in Griffin's collection are shown on the table in all?

Answer

- 5 Addie makes friendship bracelets. She measures them to the nearest eighth of an inch. The frequency table shows her current inventory of bracelets.

| Length (inches) | Frequency |
|-----------------|-----------|
| 5               | 4         |
| $5\frac{1}{8}$  | 6         |
| $5\frac{1}{4}$  | 2         |
| $5\frac{3}{8}$  | 2         |
| $5\frac{1}{2}$  | 10        |
| $5\frac{5}{8}$  | 6         |
| $5\frac{3}{4}$  | 12        |
| $5\frac{7}{8}$  | 1         |
| 6               | 3         |

Answer

What is the most common length?



## Frequency table Worksheet | Grades 4 to 5

- 6 Addie makes friendship bracelets. She measures them to the nearest eighth of an inch. The frequency table shows her current inventory of bracelets.

| Length (inches) | Frequency |
|-----------------|-----------|
| 5               | 4         |
| $5\frac{1}{8}$  | 1         |
| $5\frac{1}{4}$  | 2         |
| $5\frac{3}{8}$  | 2         |
| $5\frac{1}{2}$  | 10        |
| $5\frac{5}{8}$  | 6         |
| $5\frac{3}{4}$  | 12        |
| $5\frac{7}{8}$  | 5         |
| 6               | 3         |

What is the size difference between the most common length and the least common length?

Answer

- 7 Addie makes friendship bracelets. She measures them to the nearest eighth of an inch. The frequency table shows her current inventory of bracelets.

| Length (inches) | Frequency |
|-----------------|-----------|
| 5               | 4         |
| $5\frac{1}{8}$  | 1         |
| $5\frac{1}{4}$  | 2         |
| $5\frac{3}{8}$  | 2         |
| $5\frac{1}{2}$  | 10        |
| $5\frac{5}{8}$  | 6         |
| $5\frac{3}{4}$  | 12        |
| $5\frac{7}{8}$  | 5         |
| 6               | 3         |

How many bracelets does Addie have in all?

Answer

## Frequency table Worksheet | Grades 4 to 5

- 8 A baker made a frequency table to show the amount of sugar needed in her recipes.

| Sugar Needed (cups) | Number of Recipes |
|---------------------|-------------------|
| 0                   | 5                 |
| $\frac{1}{8}$       | 3                 |
| $\frac{1}{4}$       | 12                |
| $\frac{3}{8}$       | 2                 |
| $\frac{1}{2}$       | 21                |
| $\frac{5}{8}$       | 4                 |
| $\frac{3}{4}$       | 19                |
| $\frac{7}{8}$       | 6                 |
| 1                   | 13                |

Answer

How many recipes need  $\frac{3}{4}$  cup of sugar?

- 9 A baker made a frequency table to show the amount of sugar needed in her recipes.

| Sugar Needed (cups) | Number of Recipes |
|---------------------|-------------------|
| 0                   | 5                 |
| $\frac{1}{8}$       | 3                 |
| $\frac{1}{4}$       | 12                |
| $\frac{3}{8}$       | 2                 |
| $\frac{1}{2}$       | 21                |
| $\frac{5}{8}$       | 4                 |
| $\frac{3}{4}$       | 19                |
| $\frac{7}{8}$       | 6                 |
| 1                   | 13                |

Answer

What is the difference between the most common measurement of sugar and the least common?

## Frequency table Worksheet | Grades 4 to 5

- 10 A baker made a frequency table to show the amount of sugar needed in her recipes.

| Sugar Needed (cups) | Number of Recipes |
|---------------------|-------------------|
| 0                   | 5                 |
| $\frac{1}{8}$       | 3                 |
| $\frac{1}{4}$       | 12                |
| $\frac{3}{8}$       | 2                 |
| $\frac{1}{2}$       | 21                |
| $\frac{5}{8}$       | 4                 |
| $\frac{3}{4}$       | 19                |
| $\frac{7}{8}$       | 6                 |
| 1                   | 13                |

How many recipes need  $\frac{1}{2}$  cup of sugar or more?

Answer

## Applied Questions

- 11** A seamstress measured some pieces of fabric to the nearest quarter of a yard. Here is the data:

$1\frac{1}{2}$     2     $2\frac{1}{2}$     2     $1\frac{1}{2}$      $1\frac{3}{4}$      $1\frac{3}{4}$      $2\frac{1}{4}$      $2\frac{3}{4}$     3  
 2     $1\frac{1}{2}$      $1\frac{3}{4}$      $1\frac{3}{4}$      $2\frac{1}{4}$      $2\frac{1}{4}$     2     $2\frac{1}{4}$      $1\frac{3}{4}$     2  
 $2\frac{1}{2}$     1     $1\frac{1}{2}$     3     $1\frac{1}{2}$      $2\frac{3}{4}$      $2\frac{3}{4}$      $1\frac{1}{4}$      $1\frac{3}{4}$     3

Complete the frequency table to show the data.

| Length (yards) | Frequency |
|----------------|-----------|
| 1              |           |
| $1\frac{1}{4}$ |           |
| $1\frac{1}{2}$ |           |
| $1\frac{3}{4}$ |           |
| 2              |           |
| $2\frac{1}{4}$ |           |
| $2\frac{1}{2}$ |           |
| $2\frac{3}{4}$ |           |
| 3              |           |

## Frequency table Worksheet | Grades 4 to 5

- 12** A group of friends measured their heights to the nearest eighth of an inch. Here is the data:

$53\frac{1}{2}$     $53\frac{1}{4}$     $53\frac{1}{8}$     $53\frac{1}{4}$     $53\frac{7}{8}$     $53\frac{3}{4}$     $53\frac{1}{2}$   
 $53\frac{1}{4}$     $53\frac{1}{2}$     $53\frac{1}{2}$     $53$     $53\frac{1}{4}$     $54$     $53\frac{1}{4}$

Complete the frequency table to show the data.

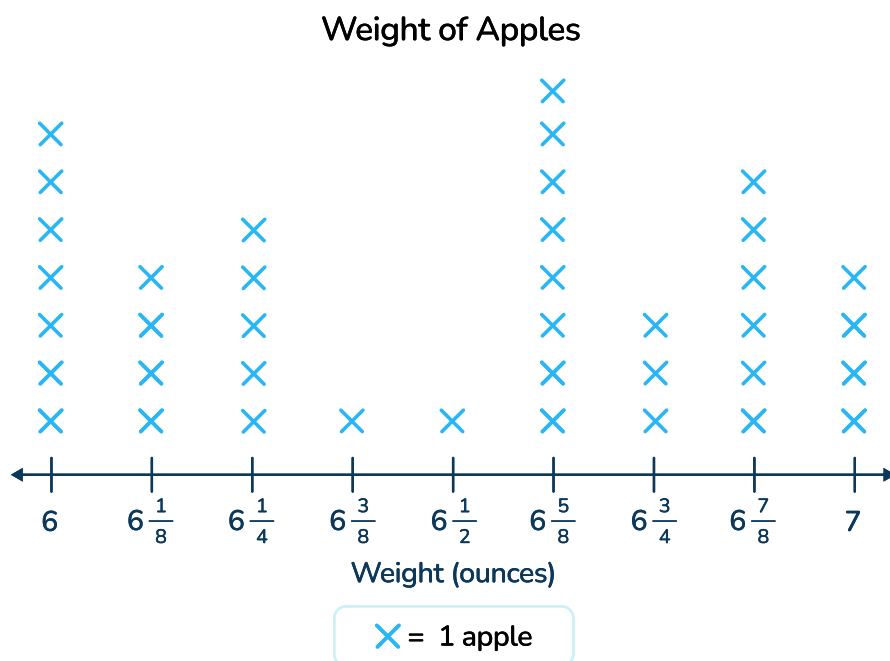
| Height (inches) | Frequency |
|-----------------|-----------|
| 53              |           |
| $53\frac{1}{8}$ |           |
| $53\frac{1}{4}$ |           |
| $53\frac{3}{8}$ |           |
| $53\frac{1}{2}$ |           |
| $53\frac{5}{8}$ |           |
| $53\frac{3}{4}$ |           |
| $53\frac{7}{8}$ |           |
| 54              |           |

- 13 The frequency table below represents the weights of a group of medium sized apples in a crate to the nearest  $\frac{1}{8}$  of an ounce.

A line plot was created to represent the data in the frequency table, but there were some mistakes made when creating it.

Find the mistakes.

| Length (inches) | Frequency |
|-----------------|-----------|
| 6               | 7         |
| $6\frac{1}{8}$  | 4         |
| $6\frac{1}{4}$  | 5         |
| $6\frac{3}{8}$  | 2         |
| $6\frac{1}{2}$  | 1         |
| $6\frac{5}{8}$  | 8         |
| $6\frac{3}{4}$  | 4         |
| $6\frac{7}{8}$  | 6         |
| 7               | 3         |



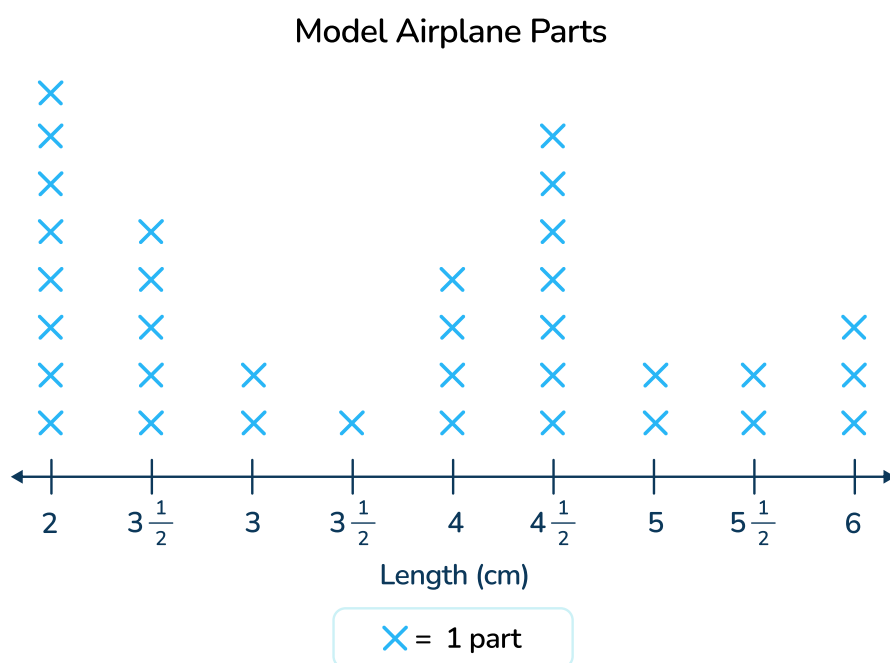
Answer

- 14 The frequency table below represents parts of a model airplane to the nearest  $\frac{1}{2}$  of a centimeter.

A line plot was created to represent the data in the frequency table, but there were some mistakes made when creating it.

Find the mistakes.

| Length (cm)    | Frequency |
|----------------|-----------|
| 2              | 8         |
| $2\frac{1}{2}$ | 5         |
| 3              | 2         |
| $3\frac{1}{2}$ | 1         |
| 4              | 5         |
| $4\frac{1}{2}$ | 6         |
| 5              | 2         |
| $5\frac{1}{2}$ | 2         |
| 6              | 1         |



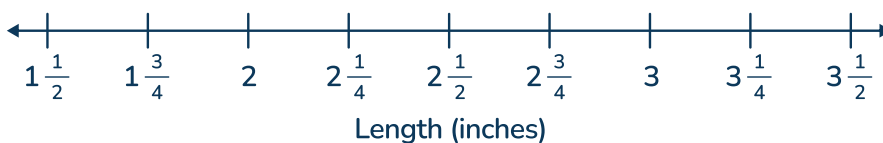
Answer

- 15 Aaron measured the crayons in his desk to the nearest  $\frac{1}{4}$  inch. The frequency table below shows the data.

Complete the line plot to represent the data in the frequency table.

| Length (inches) | Frequency |
|-----------------|-----------|
| $1\frac{1}{2}$  | 2         |
| $1\frac{3}{4}$  | 0         |
| 2               | 1         |
| $2\frac{1}{4}$  | 4         |
| $2\frac{1}{2}$  | 6         |
| $2\frac{3}{4}$  | 5         |
| 3               | 7         |
| $3\frac{1}{4}$  | 4         |
| $3\frac{1}{2}$  | 3         |

Aaron's Crayons



X = 1 crayon

Answer



## Answers

| Question number | Question  | Answers         | Standard  |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
|-----------------|---|-----------------|-----------|---|---|----------------|---|----------------|---|----------------|---|---|---|----------------|---|----------------|---|----------------|---|---|---|-----------------------|----------|
| 1               | <p>The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.</p> <table><thead><tr><th>Length (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>3</td><td>1</td></tr><tr><td><math>3\frac{1}{4}</math></td><td>0</td></tr><tr><td><math>3\frac{1}{2}</math></td><td>3</td></tr><tr><td><math>3\frac{3}{4}</math></td><td>2</td></tr><tr><td>4</td><td>2</td></tr><tr><td><math>4\frac{1}{4}</math></td><td>5</td></tr><tr><td><math>4\frac{1}{2}</math></td><td>6</td></tr><tr><td><math>4\frac{3}{4}</math></td><td>9</td></tr><tr><td>5</td><td>8</td></tr></tbody></table> <p>Which length has the highest frequency?</p> | Length (inches) | Frequency | 3 | 1 | $3\frac{1}{4}$ | 0 | $3\frac{1}{2}$ | 3 | $3\frac{3}{4}$ | 2 | 4 | 2 | $4\frac{1}{4}$ | 5 | $4\frac{1}{2}$ | 6 | $4\frac{3}{4}$ | 9 | 5 | 8 | $4\frac{3}{4}$ inches | 4.MD.B.4 |
| Length (inches) | Frequency   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 3               | 1   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{1}{4}$  | 0   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{1}{2}$  | 3   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{3}{4}$  | 2   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 4               | 2   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{1}{4}$  | 5   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{1}{2}$  | 6   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{3}{4}$  | 9   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 5               | 8   |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |

# Frequency table Worksheet | Grades 4 to 5 | Answers

| Question number | Question   | Answers         | Standard  |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
|-----------------|--|-----------------|-----------|---|---|----------------|---|----------------|---|----------------|---|---|---|----------------|---|----------------|---|----------------|---|---|---|-----------------------|----------|
| 2               | <p>The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.</p> <table><thead><tr><th>Length (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>3</td><td>1</td></tr><tr><td><math>3\frac{1}{4}</math></td><td>0</td></tr><tr><td><math>3\frac{1}{2}</math></td><td>3</td></tr><tr><td><math>3\frac{3}{4}</math></td><td>2</td></tr><tr><td>4</td><td>2</td></tr><tr><td><math>4\frac{1}{4}</math></td><td>5</td></tr><tr><td><math>4\frac{1}{2}</math></td><td>6</td></tr><tr><td><math>4\frac{3}{4}</math></td><td>9</td></tr><tr><td>5</td><td>8</td></tr></tbody></table> <p>Which length has the lowest frequency?</p>                         | Length (inches) | Frequency | 3 | 1 | $3\frac{1}{4}$ | 0 | $3\frac{1}{2}$ | 3 | $3\frac{3}{4}$ | 2 | 4 | 2 | $4\frac{1}{4}$ | 5 | $4\frac{1}{2}$ | 6 | $4\frac{3}{4}$ | 9 | 5 | 8 | $3\frac{1}{4}$ inches | 4.MD.B.4 |
| Length (inches) | Frequency  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 3               | 1  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{1}{4}$  | 0  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{1}{2}$  | 3  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{3}{4}$  | 2  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 4               | 2  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{1}{4}$  | 5  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{1}{2}$  | 6  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{3}{4}$  | 9  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 5               | 8  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 2               | <p>The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.</p> <table><thead><tr><th>Length (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>3</td><td>1</td></tr><tr><td><math>3\frac{1}{4}</math></td><td>0</td></tr><tr><td><math>3\frac{1}{2}</math></td><td>3</td></tr><tr><td><math>3\frac{3}{4}</math></td><td>2</td></tr><tr><td>4</td><td>2</td></tr><tr><td><math>4\frac{1}{4}</math></td><td>5</td></tr><tr><td><math>4\frac{1}{2}</math></td><td>6</td></tr><tr><td><math>4\frac{3}{4}</math></td><td>9</td></tr><tr><td>5</td><td>8</td></tr></tbody></table> <p>How many bugs shown on the table are 4 inches long or greater?</p> | Length (inches) | Frequency | 3 | 1 | $3\frac{1}{4}$ | 0 | $3\frac{1}{2}$ | 3 | $3\frac{3}{4}$ | 2 | 4 | 2 | $4\frac{1}{4}$ | 5 | $4\frac{1}{2}$ | 6 | $4\frac{3}{4}$ | 9 | 5 | 8 | 30 bugs               | 4.MD.B.4 |
| Length (inches) | Frequency  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 3               | 1  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{1}{4}$  | 0  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{1}{2}$  | 3  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $3\frac{3}{4}$  | 2  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 4               | 2  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{1}{4}$  | 5  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{1}{2}$  | 6  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| $4\frac{3}{4}$  | 9  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |
| 5               | 8  |                 |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                       |          |

## Frequency table Worksheet | Grades 4 to 5 | Answers

| Question number | Question  | Answers         | Standard  |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
|-----------------|---|-----------------|-----------|---|---|----------------|---|----------------|---|----------------|---|----------------|----|----------------|---|----------------|----|----------------|---|---|---|-----------------------|----------|
| 4               | <p>The frequency table below shows all the lengths of the bugs in Griffin's bug collection that are between 3 and 5 inches long.</p> <table><thead><tr><th>Length (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>3</td><td>4</td></tr><tr><td><math>3\frac{1}{4}</math></td><td>8</td></tr><tr><td><math>3\frac{1}{2}</math></td><td>3</td></tr><tr><td><math>3\frac{3}{4}</math></td><td>4</td></tr><tr><td>4</td><td>9</td></tr><tr><td><math>4\frac{1}{4}</math></td><td>6</td></tr><tr><td><math>4\frac{1}{2}</math></td><td>0</td></tr><tr><td><math>4\frac{3}{4}</math></td><td>2</td></tr><tr><td>5</td><td>1</td></tr></tbody></table> <p>How many bugs in Griffin's collection are shown on the table in all?</p>            | Length (inches) | Frequency | 3 | 4 | $3\frac{1}{4}$ | 8 | $3\frac{1}{2}$ | 3 | $3\frac{3}{4}$ | 4 | 4              | 9  | $4\frac{1}{4}$ | 6 | $4\frac{1}{2}$ | 0  | $4\frac{3}{4}$ | 2 | 5 | 1 | 37 bugs               | 4.MD.B.4 |
| Length (inches) | Frequency   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| 3               | 4   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $3\frac{1}{4}$  | 8   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $3\frac{1}{2}$  | 3   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $3\frac{3}{4}$  | 4   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| 4               | 9   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $4\frac{1}{4}$  | 6   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $4\frac{1}{2}$  | 0   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $4\frac{3}{4}$  | 2   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| 5               | 1   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| 5               | <p>Addie makes friendship bracelets. She measures them to the nearest eighth of an inch. The frequency table shows her current inventory of bracelets.</p> <table><thead><tr><th>Length (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>5</td><td>4</td></tr><tr><td><math>5\frac{1}{8}</math></td><td>6</td></tr><tr><td><math>5\frac{1}{4}</math></td><td>2</td></tr><tr><td><math>5\frac{3}{8}</math></td><td>2</td></tr><tr><td><math>5\frac{1}{2}</math></td><td>10</td></tr><tr><td><math>5\frac{5}{8}</math></td><td>6</td></tr><tr><td><math>5\frac{3}{4}</math></td><td>12</td></tr><tr><td><math>5\frac{7}{8}</math></td><td>1</td></tr><tr><td>6</td><td>3</td></tr></tbody></table> <p>What is the most common length?</p> | Length (inches) | Frequency | 5 | 4 | $5\frac{1}{8}$ | 6 | $5\frac{1}{4}$ | 2 | $5\frac{3}{8}$ | 2 | $5\frac{1}{2}$ | 10 | $5\frac{5}{8}$ | 6 | $5\frac{3}{4}$ | 12 | $5\frac{7}{8}$ | 1 | 6 | 3 | $5\frac{3}{4}$ inches | 4.MD.B.4 |
| Length (inches) | Frequency   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| 5               | 4   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $5\frac{1}{8}$  | 6   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $5\frac{1}{4}$  | 2   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $5\frac{3}{8}$  | 2   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $5\frac{1}{2}$  | 10  |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $5\frac{5}{8}$  | 6   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $5\frac{3}{4}$  | 12  |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| $5\frac{7}{8}$  | 1   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |
| 6               | 3   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                       |          |

## Frequency table Worksheet | Grades 4 to 5 | Answers

| Question number | Question  | Answers         | Standard  |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
|-----------------|---|-----------------|-----------|---|---|----------------|---|----------------|---|----------------|---|----------------|----|----------------|---|----------------|----|----------------|---|---|---|--------------------|----------|
| 6               | <p>Addie makes friendship bracelets. She measures them to the nearest eighth of an inch. The frequency table shows her current inventory of bracelets.</p> <table><tr><th>Length (inches)</th><th>Frequency</th></tr><tr><td>5</td><td>4</td></tr><tr><td><math>5\frac{1}{8}</math></td><td>1</td></tr><tr><td><math>5\frac{1}{4}</math></td><td>2</td></tr><tr><td><math>5\frac{3}{8}</math></td><td>2</td></tr><tr><td><math>5\frac{1}{2}</math></td><td>10</td></tr><tr><td><math>5\frac{5}{8}</math></td><td>6</td></tr><tr><td><math>5\frac{3}{4}</math></td><td>12</td></tr><tr><td><math>5\frac{7}{8}</math></td><td>5</td></tr><tr><td>6</td><td>3</td></tr></table> <p>What is the size difference between the most common length and the least common length?</p> | Length (inches) | Frequency | 5 | 4 | $5\frac{1}{8}$ | 1 | $5\frac{1}{4}$ | 2 | $5\frac{3}{8}$ | 2 | $5\frac{1}{2}$ | 10 | $5\frac{5}{8}$ | 6 | $5\frac{3}{4}$ | 12 | $5\frac{7}{8}$ | 5 | 6 | 3 | $\frac{5}{8}$ inch | 4.MD.B.4 |
| Length (inches) | Frequency   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| 5               | 4   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{1}{8}$  | 1   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{1}{4}$  | 2   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{3}{8}$  | 2   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{1}{2}$  | 10  |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{5}{8}$  | 6   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{3}{4}$  | 12  |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{7}{8}$  | 5   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| 6               | 3   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| 7               | <p>Addie makes friendship bracelets. She measures them to the nearest eighth of an inch. The frequency table shows her current inventory of bracelets.</p> <table><tr><th>Length (inches)</th><th>Frequency</th></tr><tr><td>5</td><td>4</td></tr><tr><td><math>5\frac{1}{8}</math></td><td>1</td></tr><tr><td><math>5\frac{1}{4}</math></td><td>2</td></tr><tr><td><math>5\frac{3}{8}</math></td><td>2</td></tr><tr><td><math>5\frac{1}{2}</math></td><td>10</td></tr><tr><td><math>5\frac{5}{8}</math></td><td>6</td></tr><tr><td><math>5\frac{3}{4}</math></td><td>12</td></tr><tr><td><math>5\frac{7}{8}</math></td><td>5</td></tr><tr><td>6</td><td>3</td></tr></table> <p>How many bracelets does Addie have in all?</p>  | Length (inches) | Frequency | 5 | 4 | $5\frac{1}{8}$ | 1 | $5\frac{1}{4}$ | 2 | $5\frac{3}{8}$ | 2 | $5\frac{1}{2}$ | 10 | $5\frac{5}{8}$ | 6 | $5\frac{3}{4}$ | 12 | $5\frac{7}{8}$ | 5 | 6 | 3 | 45 bracelets       | 4.MD.B.4 |
| Length (inches) | Frequency   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| 5               | 4   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{1}{8}$  | 1   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{1}{4}$  | 2   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{3}{8}$  | 2   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{1}{2}$  | 10  |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{5}{8}$  | 6   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{3}{4}$  | 12  |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| $5\frac{7}{8}$  | 5   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |
| 6               | 3   |                 |           |   |   |                |   |                |   |                |   |                |    |                |   |                |    |                |   |   |   |                    |          |

# Frequency table Worksheet | Grades 4 to 5 | Answers

| Question number     | Question   | Answers             | Standard          |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
|---------------------|--|---------------------|-------------------|---|---|---------------|---|---------------|----|---------------|---|---------------|----|---------------|---|---------------|----|---------------|---|---|----|-------------------|----------|
| 8                   | <p>A baker made a frequency table to show the amount of sugar needed in her recipes.</p> <table><thead><tr><th>Sugar Needed (cups)</th><th>Number of Recipes</th></tr></thead><tbody><tr><td>0</td><td>5</td></tr><tr><td><math>\frac{1}{8}</math></td><td>3</td></tr><tr><td><math>\frac{1}{4}</math></td><td>12</td></tr><tr><td><math>\frac{3}{8}</math></td><td>2</td></tr><tr><td><math>\frac{1}{2}</math></td><td>21</td></tr><tr><td><math>\frac{5}{8}</math></td><td>4</td></tr><tr><td><math>\frac{3}{4}</math></td><td>19</td></tr><tr><td><math>\frac{7}{8}</math></td><td>6</td></tr><tr><td>1</td><td>13</td></tr></tbody></table> <p>How many recipes need <math>\frac{3}{4}</math> cup of sugar?</p>                              | Sugar Needed (cups) | Number of Recipes | 0 | 5 | $\frac{1}{8}$ | 3 | $\frac{1}{4}$ | 12 | $\frac{3}{8}$ | 2 | $\frac{1}{2}$ | 21 | $\frac{5}{8}$ | 4 | $\frac{3}{4}$ | 19 | $\frac{7}{8}$ | 6 | 1 | 13 | 19 recipes        | 4.MD.B.4 |
| Sugar Needed (cups) | Number of Recipes  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| 0                   | 5  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{1}{8}$       | 3  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{1}{4}$       | 12   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{3}{8}$       | 2  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{1}{2}$       | 21   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{5}{8}$       | 4  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{3}{4}$       | 19   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{7}{8}$       | 6  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| 1                   | 13   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| 9                   | <p>A baker made a frequency table to show the amount of sugar needed in her recipes.</p> <table><thead><tr><th>Sugar Needed (cups)</th><th>Number of Recipes</th></tr></thead><tbody><tr><td>0</td><td>5</td></tr><tr><td><math>\frac{1}{8}</math></td><td>3</td></tr><tr><td><math>\frac{1}{4}</math></td><td>12</td></tr><tr><td><math>\frac{3}{8}</math></td><td>2</td></tr><tr><td><math>\frac{1}{2}</math></td><td>21</td></tr><tr><td><math>\frac{5}{8}</math></td><td>4</td></tr><tr><td><math>\frac{3}{4}</math></td><td>19</td></tr><tr><td><math>\frac{7}{8}</math></td><td>6</td></tr><tr><td>1</td><td>13</td></tr></tbody></table> <p>What is the difference between the most common measurement of sugar and the least common?</p> | Sugar Needed (cups) | Number of Recipes | 0 | 5 | $\frac{1}{8}$ | 3 | $\frac{1}{4}$ | 12 | $\frac{3}{8}$ | 2 | $\frac{1}{2}$ | 21 | $\frac{5}{8}$ | 4 | $\frac{3}{4}$ | 19 | $\frac{7}{8}$ | 6 | 1 | 13 | $\frac{1}{8}$ cup | 4.MD.B.4 |
| Sugar Needed (cups) | Number of Recipes  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| 0                   | 5  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{1}{8}$       | 3  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{1}{4}$       | 12   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{3}{8}$       | 2  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{1}{2}$       | 21   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{5}{8}$       | 4  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{3}{4}$       | 19   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| $\frac{7}{8}$       | 6  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |
| 1                   | 13   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |                   |          |

## Frequency table Worksheet | Grades 4 to 5 | Answers

| Question number     | Question  | Answers             | Standard          |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
|---------------------|---|---------------------|-------------------|---|---|---------------|---|---------------|----|---------------|---|---------------|----|---------------|---|---------------|----|---------------|---|---|----|------------|----------|
| 10                  | <p>A baker made a frequency table to show the amount of sugar needed in her recipes.</p> <table><tr><th>Sugar Needed (cups)</th><th>Number of Recipes</th></tr><tr><td>0</td><td>5</td></tr><tr><td><math>\frac{1}{8}</math></td><td>3</td></tr><tr><td><math>\frac{1}{4}</math></td><td>12</td></tr><tr><td><math>\frac{3}{8}</math></td><td>2</td></tr><tr><td><math>\frac{1}{2}</math></td><td>21</td></tr><tr><td><math>\frac{5}{8}</math></td><td>4</td></tr><tr><td><math>\frac{3}{4}</math></td><td>19</td></tr><tr><td><math>\frac{7}{8}</math></td><td>6</td></tr><tr><td>1</td><td>13</td></tr></table> <p>How many recipes need <math>\frac{1}{2}</math> cup of sugar or more?</p> | Sugar Needed (cups) | Number of Recipes | 0 | 5 | $\frac{1}{8}$ | 3 | $\frac{1}{4}$ | 12 | $\frac{3}{8}$ | 2 | $\frac{1}{2}$ | 21 | $\frac{5}{8}$ | 4 | $\frac{3}{4}$ | 19 | $\frac{7}{8}$ | 6 | 1 | 13 | 63 recipes | 4.MD.B.4 |
| Sugar Needed (cups) | Number of Recipes   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| 0                   | 5   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| $\frac{1}{8}$       | 3   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| $\frac{1}{4}$       | 12  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| $\frac{3}{8}$       | 2   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| $\frac{1}{2}$       | 21  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| $\frac{5}{8}$       | 4   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| $\frac{3}{4}$       | 19  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| $\frac{7}{8}$       | 6   |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |
| 1                   | 13  |                     |                   |   |   |               |   |               |    |               |   |               |    |               |   |               |    |               |   |   |    |            |          |

# Frequency table Worksheet | Grades 4 to 5 | Answers

| Question number | Question  | Answers        | Standard  |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
|-----------------|---|----------------|-----------|---|--|----------------|--|----------------|--|----------------|--|---|--|----------------|--|----------------|--|----------------|--|---|--|--|----------------|-----------|---|---|----------------|---|----------------|---|----------------|---|---|---|----------------|---|----------------|---|----------------|---|---|---|----------|
| 11              | <p>A seamstress measured some pieces of fabric to the nearest quarter of a yard. Here is the data:</p> <div><div><div><div><div>1</div><div><math>\frac{1}{2}</math></div></div><div><div>2</div><div><math>1\frac{3}{4}</math></div></div><div><div>2</div><div><math>1\frac{1}{2}</math></div></div><div><div><math>\frac{1}{4}</math></div><div>2</div></div><div><div>2</div><div><math>\frac{1}{2}</math></div></div><div><div><math>\frac{3}{4}</math></div><div>2</div></div></div><div><div><div>2</div><div><math>\frac{1}{2}</math></div></div><div><div>2</div><div><math>\frac{1}{4}</math></div></div><div><div>1</div><div><math>\frac{3}{4}</math></div></div><div><div>2</div><div><math>\frac{1}{4}</math></div></div><div><div>1</div><div><math>\frac{1}{2}</math></div></div><div><div>1</div><div><math>\frac{1}{4}</math></div></div></div><div><div><div>2</div><div><math>\frac{3}{4}</math></div></div><div><div>2</div><div><math>\frac{1}{4}</math></div></div><div><div>1</div><div><math>\frac{3}{4}</math></div></div><div><div>3</div><div><math>1\frac{1}{2}</math></div></div><div><div>1</div><div><math>\frac{3}{4}</math></div></div></div></div><div>1<br/>3<br/>2<br/>2<br/>2</div></div> <p>Complete the frequency table to show the data.</p> <table><tr><th>Length (yards)</th><th>Frequency</th></tr><tr><td>2</td><td></td></tr><tr><td><math>1\frac{1}{4}</math></td><td></td></tr><tr><td><math>1\frac{1}{2}</math></td><td></td></tr><tr><td><math>1\frac{3}{4}</math></td><td></td></tr><tr><td>2</td><td></td></tr><tr><td><math>2\frac{1}{4}</math></td><td></td></tr><tr><td><math>2\frac{1}{2}</math></td><td></td></tr><tr><td><math>2\frac{3}{4}</math></td><td></td></tr><tr><td>3</td><td></td></tr></table> | Length (yards) | Frequency | 2 |  | $1\frac{1}{4}$ |  | $1\frac{1}{2}$ |  | $1\frac{3}{4}$ |  | 2 |  | $2\frac{1}{4}$ |  | $2\frac{1}{2}$ |  | $2\frac{3}{4}$ |  | 3 |  | <table><tr><th>Length (yards)</th><th>Frequency</th></tr><tr><td>2</td><td>1</td></tr><tr><td><math>1\frac{1}{4}</math></td><td>1</td></tr><tr><td><math>1\frac{1}{2}</math></td><td>5</td></tr><tr><td><math>1\frac{3}{4}</math></td><td>6</td></tr><tr><td>2</td><td>5</td></tr><tr><td><math>2\frac{1}{4}</math></td><td>4</td></tr><tr><td><math>2\frac{1}{2}</math></td><td>2</td></tr><tr><td><math>2\frac{3}{4}</math></td><td>3</td></tr><tr><td>3</td><td>3</td></tr></table> | Length (yards) | Frequency | 2 | 1 | $1\frac{1}{4}$ | 1 | $1\frac{1}{2}$ | 5 | $1\frac{3}{4}$ | 6 | 2 | 5 | $2\frac{1}{4}$ | 4 | $2\frac{1}{2}$ | 2 | $2\frac{3}{4}$ | 3 | 3 | 3 | 4.MD.B.4 |
| Length (yards)  | Frequency   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| 2               |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $1\frac{1}{4}$  |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $1\frac{1}{2}$  |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $1\frac{3}{4}$  |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| 2               |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $2\frac{1}{4}$  |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $2\frac{1}{2}$  |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $2\frac{3}{4}$  |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| 3               |   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| Length (yards)  | Frequency   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| 2               | 1   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $1\frac{1}{4}$  | 1   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $1\frac{1}{2}$  | 5   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $1\frac{3}{4}$  | 6   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| 2               | 5   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $2\frac{1}{4}$  | 4   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $2\frac{1}{2}$  | 2   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| $2\frac{3}{4}$  | 3   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |
| 3               | 3   |                |           |   |  |                |  |                |  |                |  |   |  |                |  |                |  |                |  |   |  |  |                |           |   |   |                |   |                |   |                |   |   |   |                |   |                |   |                |   |   |   |          |

# Frequency table Worksheet | Grades 4 to 5 | Answers

| Question number | Question  | Answers         | Standard  |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
|-----------------|---|-----------------|-----------|----|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|----|--|--|-----------------|-----------|----|---|-----------------|---|-----------------|---|-----------------|---|-----------------|---|-----------------|---|-----------------|---|-----------------|---|----|---|----------|
| 12              | <p>A group of friends measured their heights to the nearest eighth of an inch. Here is the data:</p> <p><math>53\frac{1}{2}</math>    <math>53\frac{1}{4}</math>    <math>53\frac{1}{8}</math>    <math>53\frac{1}{4}</math><br/><math>53\frac{7}{8}</math>    <math>53\frac{3}{4}</math>    <math>53\frac{1}{2}</math><br/><math>53\frac{1}{4}</math>    <math>53\frac{1}{2}</math>    <math>53\frac{1}{2}</math>    53<br/><math>53\frac{1}{4}</math>    54    <math>53\frac{1}{4}</math></p> <p>Complete the frequency table to show the data.</p> <table><thead><tr><th>Height (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>53</td><td></td></tr><tr><td><math>53\frac{1}{8}</math></td><td></td></tr><tr><td><math>53\frac{1}{4}</math></td><td></td></tr><tr><td><math>53\frac{3}{8}</math></td><td></td></tr><tr><td><math>53\frac{1}{2}</math></td><td></td></tr><tr><td><math>53\frac{5}{8}</math></td><td></td></tr><tr><td><math>53\frac{3}{4}</math></td><td></td></tr><tr><td><math>53\frac{7}{8}</math></td><td></td></tr><tr><td>54</td><td></td></tr></tbody></table> | Height (inches) | Frequency | 53 |  | $53\frac{1}{8}$ |  | $53\frac{1}{4}$ |  | $53\frac{3}{8}$ |  | $53\frac{1}{2}$ |  | $53\frac{5}{8}$ |  | $53\frac{3}{4}$ |  | $53\frac{7}{8}$ |  | 54 |  | <table><thead><tr><th>Height (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>53</td><td>1</td></tr><tr><td><math>53\frac{1}{8}</math></td><td>1</td></tr><tr><td><math>53\frac{1}{4}</math></td><td>5</td></tr><tr><td><math>53\frac{3}{8}</math></td><td>0</td></tr><tr><td><math>53\frac{1}{2}</math></td><td>4</td></tr><tr><td><math>53\frac{5}{8}</math></td><td>0</td></tr><tr><td><math>53\frac{3}{4}</math></td><td>1</td></tr><tr><td><math>53\frac{7}{8}</math></td><td>1</td></tr><tr><td>54</td><td>1</td></tr></tbody></table> | Height (inches) | Frequency | 53 | 1 | $53\frac{1}{8}$ | 1 | $53\frac{1}{4}$ | 5 | $53\frac{3}{8}$ | 0 | $53\frac{1}{2}$ | 4 | $53\frac{5}{8}$ | 0 | $53\frac{3}{4}$ | 1 | $53\frac{7}{8}$ | 1 | 54 | 1 | 4.MD.B.4 |
| Height (inches) | Frequency   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| 53              |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{1}{8}$ |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{1}{4}$ |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{3}{8}$ |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{1}{2}$ |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{5}{8}$ |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{3}{4}$ |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{7}{8}$ |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| 54              |   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| Height (inches) | Frequency   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| 53              | 1   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{1}{8}$ | 1   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{1}{4}$ | 5   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{3}{8}$ | 0   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{1}{2}$ | 4   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{5}{8}$ | 0   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{3}{4}$ | 1   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| $53\frac{7}{8}$ | 1   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |
| 54              | 1   |                 |           |    |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |                 |  |    |  |  |                 |           |    |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |                 |   |    |   |          |



| Question number | Question   | Answers         | Standard  |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
|-----------------|--|-----------------|-----------|---|---|----------------|---|----------------|---|----------------|---|----------------|---|----------------|---|----------------|---|----------------|---|---|---|---|----------|
| 13              | <p>The frequency table below represents the weights of a group of medium sized apples in a crate to the nearest <math>\frac{1}{8}</math> of an ounce.</p> <p>A line plot was created to represent the data in the frequency table, but there were some mistakes made when creating it.</p> <p>Find the mistakes.</p> <div><table><thead><tr><th>Length (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td>6</td><td>7</td></tr><tr><td><math>6\frac{1}{8}</math></td><td>4</td></tr><tr><td><math>6\frac{1}{4}</math></td><td>5</td></tr><tr><td><math>6\frac{3}{8}</math></td><td>2</td></tr><tr><td><math>6\frac{1}{2}</math></td><td>1</td></tr><tr><td><math>6\frac{5}{8}</math></td><td>8</td></tr><tr><td><math>6\frac{3}{4}</math></td><td>4</td></tr><tr><td><math>6\frac{7}{8}</math></td><td>6</td></tr><tr><td>7</td><td>3</td></tr></tbody></table><div><p>Weight of Apples</p><p>X = 1 apple</p></div></div> <td><ol style="list-style-type: none"><li><math>6\frac{3}{8}</math> ounces has 1 X but it should have 2.</li><li><math>6\frac{3}{4}</math> ounces has 3 Xs but it should have 4.</li><li>7 ounces has 4 Xs but it should only have 3.</li></ol></td> <td>4.MD.B.4</td> | Length (inches) | Frequency | 6 | 7 | $6\frac{1}{8}$ | 4 | $6\frac{1}{4}$ | 5 | $6\frac{3}{8}$ | 2 | $6\frac{1}{2}$ | 1 | $6\frac{5}{8}$ | 8 | $6\frac{3}{4}$ | 4 | $6\frac{7}{8}$ | 6 | 7 | 3 | <ol style="list-style-type: none"><li><math>6\frac{3}{8}</math> ounces has 1 X but it should have 2.</li><li><math>6\frac{3}{4}</math> ounces has 3 Xs but it should have 4.</li><li>7 ounces has 4 Xs but it should only have 3.</li></ol> | 4.MD.B.4 |
| Length (inches) | Frequency  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 6               | 7  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $6\frac{1}{8}$  | 4  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $6\frac{1}{4}$  | 5  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $6\frac{3}{8}$  | 2  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $6\frac{1}{2}$  | 1  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $6\frac{5}{8}$  | 8  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $6\frac{3}{4}$  | 4  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $6\frac{7}{8}$  | 6  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 7               | 3  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 14              | <p>The frequency table below represents parts of a model airplane to the nearest <math>\frac{1}{2}</math> of a centimeter.</p> <p>A line plot was created to represent the data in the frequency table, but there were some mistakes made when creating it.</p> <p>Find the mistakes.</p> <div><table><thead><tr><th>Length (cm)</th><th>Frequency</th></tr></thead><tbody><tr><td>2</td><td>8</td></tr><tr><td><math>2\frac{1}{2}</math></td><td>5</td></tr><tr><td>3</td><td>2</td></tr><tr><td><math>3\frac{1}{2}</math></td><td>1</td></tr><tr><td>4</td><td>5</td></tr><tr><td><math>4\frac{1}{2}</math></td><td>6</td></tr><tr><td>5</td><td>2</td></tr><tr><td><math>5\frac{1}{2}</math></td><td>2</td></tr><tr><td>6</td><td>1</td></tr></tbody></table><div><p>Model Airplane Parts</p><p>X = 1 part</p></div></div> <td><ol style="list-style-type: none"><li>4 inches should have 5 Xs but only has 4.</li><li><math>4\frac{1}{2}</math> inches should have 6 Xs but has 7.</li><li>6 inches should only have 1 X but it has 3.</li></ol></td> <td>4.MD.B.4</td>  | Length (cm)     | Frequency | 2 | 8 | $2\frac{1}{2}$ | 5 | 3              | 2 | $3\frac{1}{2}$ | 1 | 4              | 5 | $4\frac{1}{2}$ | 6 | 5              | 2 | $5\frac{1}{2}$ | 2 | 6 | 1 | <ol style="list-style-type: none"><li>4 inches should have 5 Xs but only has 4.</li><li><math>4\frac{1}{2}</math> inches should have 6 Xs but has 7.</li><li>6 inches should only have 1 X but it has 3.</li></ol>                          | 4.MD.B.4 |
| Length (cm)     | Frequency  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 2               | 8  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $2\frac{1}{2}$  | 5  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 3               | 2  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $3\frac{1}{2}$  | 1  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 4               | 5  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $4\frac{1}{2}$  | 6  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 5               | 2  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| $5\frac{1}{2}$  | 2  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |
| 6               | 1  |                 |           |   |   |                |   |                |   |                |   |                |   |                |   |                |   |                |   |   |   |   |          |




| Question number | Question  | Answers         | Standard  |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
|-----------------|---|-----------------|-----------|----------------|---|----------------|---|---|---|----------------|---|----------------|---|----------------|---|---|---|----------------|---|----------------|---|---|
| 15              | <p>Aaron measured the crayons in his desk to the nearest <math>\frac{1}{4}</math> inch. The frequency table below shows the data.</p> <p>Complete the line plot to represent the data in the frequency table.</p> <table><thead><tr><th>Length (inches)</th><th>Frequency</th></tr></thead><tbody><tr><td><math>1\frac{1}{2}</math></td><td>2</td></tr><tr><td><math>1\frac{3}{4}</math></td><td>0</td></tr><tr><td>2</td><td>1</td></tr><tr><td><math>2\frac{1}{4}</math></td><td>4</td></tr><tr><td><math>2\frac{1}{2}</math></td><td>6</td></tr><tr><td><math>2\frac{3}{4}</math></td><td>5</td></tr><tr><td>3</td><td>7</td></tr><tr><td><math>3\frac{1}{4}</math></td><td>4</td></tr><tr><td><math>3\frac{1}{2}</math></td><td>3</td></tr></tbody></table> | Length (inches) | Frequency | $1\frac{1}{2}$ | 2 | $1\frac{3}{4}$ | 0 | 2 | 1 | $2\frac{1}{4}$ | 4 | $2\frac{1}{2}$ | 6 | $2\frac{3}{4}$ | 5 | 3 | 7 | $3\frac{1}{4}$ | 4 | $3\frac{1}{2}$ | 3 | <p>Aaron's Crayons</p> <p>Length (inches)</p> <p>1 <math>\frac{1}{2}</math> 1 <math>\frac{3}{4}</math> 2 2 <math>\frac{1}{4}</math> 2 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| Length (inches) | Frequency   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| $1\frac{1}{2}$  | 2   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| $1\frac{3}{4}$  | 0   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| 2               | 1   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| $2\frac{1}{4}$  | 4   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| $2\frac{1}{2}$  | 6   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| $2\frac{3}{4}$  | 5   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| 3               | 7   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| $3\frac{1}{4}$  | 4   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |
| $3\frac{1}{2}$  | 3   |                 |           |                |   |                |   |   |   |                |   |                |   |                |   |   |   |                |   |                |   |   |

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