



**THIRD SPACE
LEARNING**

Frequency table Worksheet

Statistics and Probability

Grades 6 to 8

Skill Questions

Name:

Date:

- 1 The frequency table shows the genre of books on Jackson's bookshelf.

Genre	Frequency
Mystery	8
Fantasy	12
Biography	6
Science fiction	10
Graphic Novel	19

What genre of books does Jackson have the most of?

Answer

- 2 The frequency table shows the genre of books on Jackson's bookshelf.

Genre	Frequency
Mystery	8
Fantasy	12
Biography	6
Science fiction	10
Graphic Novel	19

How many more books does Jackson have of the most common genre than the least common genre?

Answer

- 3 The frequency table shows the genre of books on Jackson's bookshelf.

Genre	Frequency
Mystery	8
Fantasy	12
Biography	6
Science fiction	10
Graphic Novel	19

How many books does Jackson have in all?

Answer

- 4 The grouped frequency table below shows the weights of all the puppies currently at a shelter.

Weight, w (lbs)	Frequency
$1 < w < 5$	4
$6 < w < 10$	9
$11 < w < 15$	6
$16 < w < 20$	2

What is the most common weight group?

Answer

Frequency table Worksheet | Grades 6 to 8

- 5 The grouped frequency table below shows the weights of all the puppies currently at a shelter.

Weight, w (lbs)	Frequency
$1 < w < 5$	4
$6 < w < 10$	9
$11 < w < 15$	6
$16 < w < 20$	2

What is the total number of puppies at the shelter?

Answer

- 6 The grouped frequency table below shows the weights of all the puppies currently at a shelter.

Weight, w (lbs)	Frequency
$1 < w < 5$	4
$6 < w < 10$	9
$11 < w < 15$	6
$16 < w < 20$	2

In which group is the median value?

Answer

- 7 The cumulative frequency table shows the colors of beads on a necklace.

Groups	Frequency	Cumulative Frequency
Black	25	25
White	18	43
Purple	15	58
Pink	20	78
Silver	22	100

What is the most common color of beads on the necklace?

Answer

- 8 The cumulative frequency table shows the colors of beads on a necklace.

Groups	Frequency	Cumulative Frequency
Black	25	25
White	18	43
Purple	15	58
Pink	20	78
Silver	22	100

How many beads are on the necklace in all?

Answer

- 9 The cumulative frequency table shows the fruit in a fruit basket.

Fruits	Frequency	Cumulative Frequency
Apple	5	5
Orange	4	9
Banana	6	
Pear	6	21
Kiwi	8	29

What number fills in the blank?

Answer

- 10 The cumulative frequency table shows the ages of kids on a baseball team.

Age	Frequency	Cumulative Frequency
8	8	8
9	13	21
10	5	

What number fills in the blank?

Answer

Applied Questions

- 11 A group of students voted for their favorite sport. Here is the data:

Baseball	Soccer	Golf	Soccer	Soccer
Basketball	Football	Soccer	Basketball	Baseball
Soccer	Football	Soccer	Baseball	Baseball
Basketball	Basketball	Football	Soccer	Golf

Complete the frequency table to represent the data.

Sport	Frequency
Basketball	
Baseball	
Soccer	
Football	
Golf	

- 12 The table shows the types of vehicles in a parking lot.
Complete the cumulative frequency column of the table.

Vehicle Type	Frequency	Cumulative Frequency
Car	27	
Truck	9	
SUV	23	
Van	12	
Motorcycle	3	

- 13 The data below shows student scores on a math test.

82	81	95	79	72	78	96	96	72	70
86	94	83	74	88	82	93	69	80	91
79	81	76	79	92	80	86	98	72	85
77	98	82	78	86	100	81	88	79	70
76	82	89	82	68	85	89	81	87	90

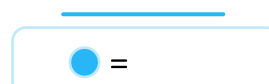
Complete the grouped frequency table to represent the data.

Score	Frequency
60 - 70	
71 - 80	
81 - 90	
91 - 100	

- 14 The frequency table shows the number of hours Nia has read each day during one month.

Create a dot plot to represent the data in the frequency table. Be sure to label the graph and fill in the key.

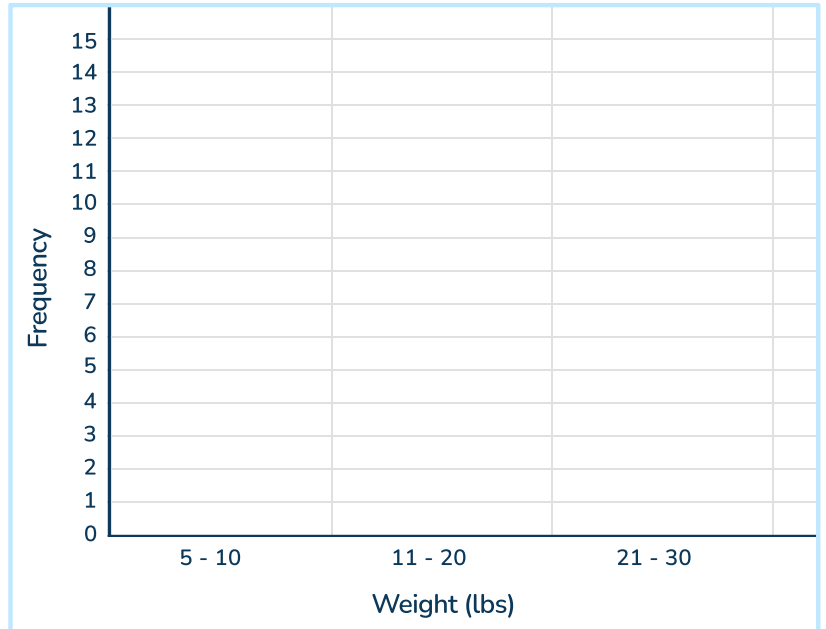
Hours	Frequency
0	4
1	8
2	10
3	5
4	3



- 15** The grouped frequency table shows the weights of watermelons harvested today.

Create a histogram to represent the data in the grouped frequency table.

Weight (lbs)	Frequency
5 - 10	4
11 - 20	8
21 - 30	15



Answers

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1	<p>The frequency table shows the genre of books on Jackson’s bookshelf.</p> <table><tr><th>Genre</th><th>Frequency</th></tr><tr><td>Mystery</td><td>8</td></tr><tr><td>Fantasy</td><td>12</td></tr><tr><td>Biography</td><td>6</td></tr><tr><td>Science fiction</td><td>10</td></tr><tr><td>Graphic Novel</td><td>19</td></tr></table> <p>What genre of books does Jackson have the most of?</p>	Genre	Frequency	Mystery	8	Fantasy	12	Biography	6	Science fiction	10	Graphic Novel	19	Graphic novels	6.SP.B.4
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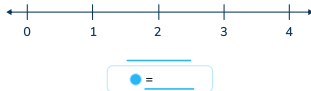
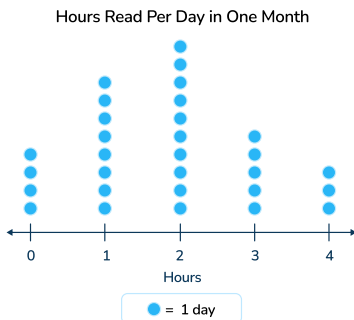
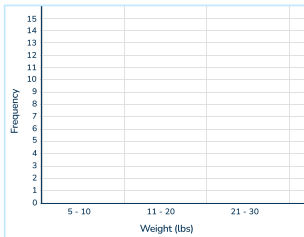
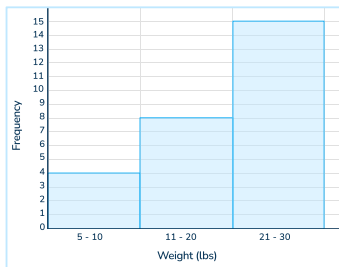
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Do you have a group of students who need a boost in math?

Each student could receive a personalized lesson every week from our specialist one-on-one math tutors.

- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

Speak to us

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-  +1 929-298-4593
-  hello@thirdspacelearning.com



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