



**THIRD SPACE  
LEARNING**

# Frequency distribution Worksheet

**Statistics and Probability**

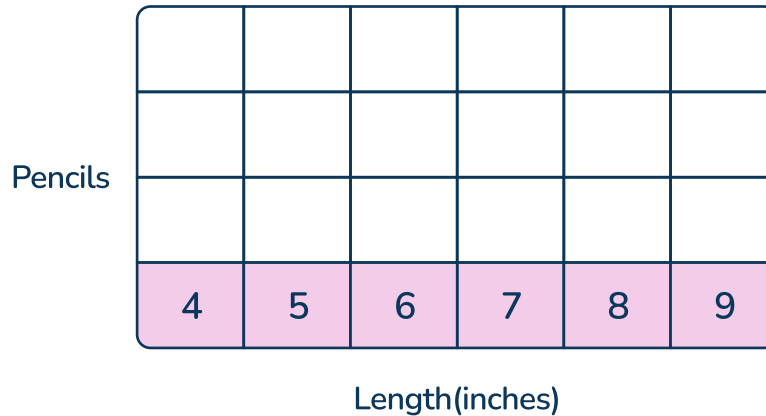
**Grades 1 to 3**

## Questions

Name: .....

Date: .....

- 1 Luna measured the lengths of five pencils:  
4 inches, 7 inches, 6 inches, 9 inches, and 6 inches.  
Make a line plot to show the data.



- 2 Alex measured the heights of six plants:  
9 cm, 10 cm, 10 cm, 8 cm, 9 cm, 10 cm.  
Make a line plot to show the data.

## Frequency distribution Worksheet | Grades 1 to 3

- 3** Four friends measured their jumps:  
1 ft, 2 ft, 1 ft, and 3 ft.  
Make a line plot to show the data.

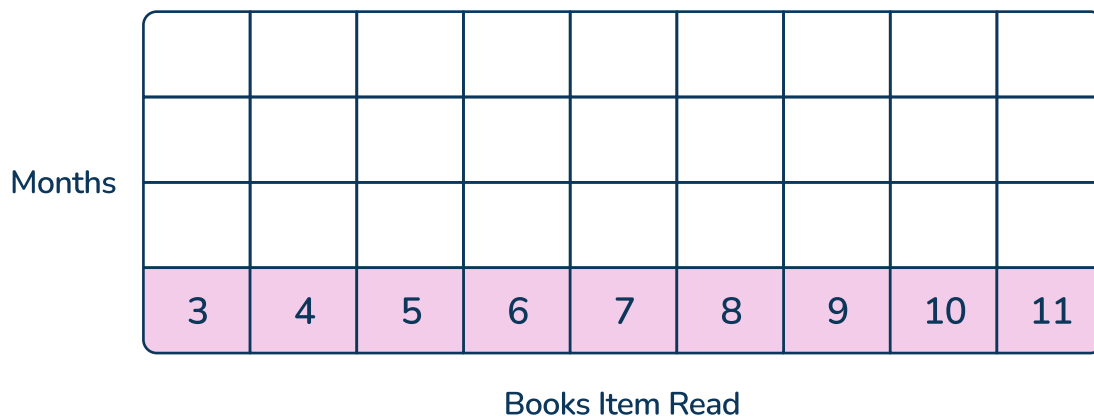
- 
- 4** There were six strings. They measured 5 inches, 8 inches, 7 inches, 8 inches, 6 inches and 9 inches. Make a line plot to show the data.

- 
- 5** Lily recorded the weights of her cats: 6 lbs, 7 lbs, 6 lbs, 8 lbs, 7 lbs. Make a line plot to show the data.

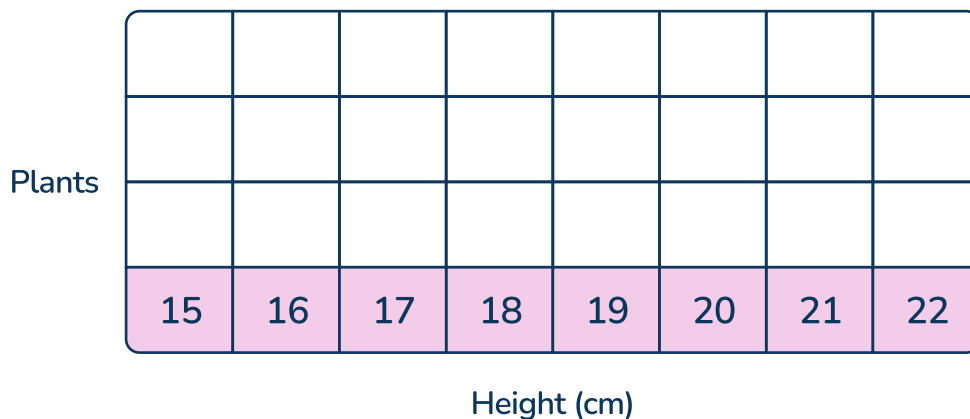
## Frequency distribution Worksheet | Grades 1 to 3

- 6 Six strips of paper were measured: 10 inches, 12 inches, 11 inches, 12 inches, 12 inches, 11 inches. Make a line plot to show the data.

- 7 Ikem counted the number of books he read each month:  
11, 5, 4, 3, 7, 8, 4, 3 and 5.  
Make a line plot to show the data.



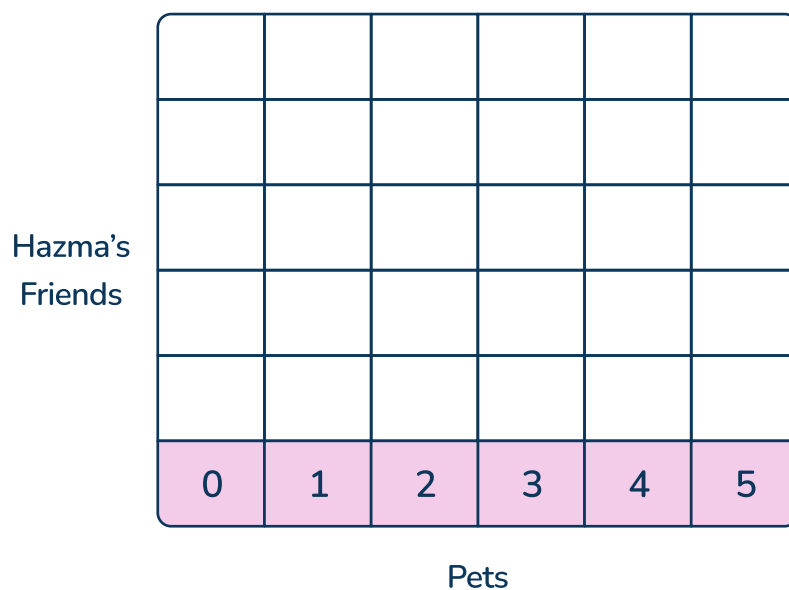
- 8 Mia's plants grew to these heights:  
17 cm, 21 cm, 18 cm, 22 cm, 21 cm, 15 cm, 19 cm, 21 cm.  
Make a line plot to show the data.



## Frequency distribution Worksheet | Grades 1 to 3

- 9 A zoo measured the lengths of some snakes:  
4 ft, 7 ft, 4 ft, 3 ft, 7 ft, 5 ft, 7 ft, 8 ft.  
Make a line plot to show the data.

- 
- 10 Hazma asked his friends how many pets they had:  
0, 1, 4, 3, 2, 5, 2, 2, 1, 1, 0, 0, 3, 2, 0, 1.  
Make a line plot to show the data.



## Frequency distribution Worksheet | Grades 1 to 3

- 11 Pavlo measures the height of his erasers, in inches:

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

Make a line plot to show the data.

Height of Pavlo's Erasers



Length(inches)

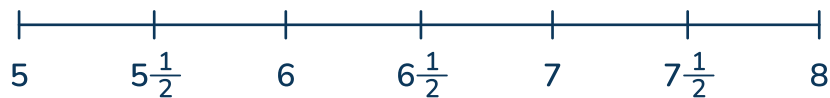
● = 1 eraser

- 12 Yazmin measures the width of her books, in inches:

$$5\frac{1}{2}, 7\frac{1}{2}, 6, 5\frac{1}{2}, 6\frac{1}{2}$$

Make a line plot to show the data.

Width of Yazmin's Books



Width (inches)

● = 1 book

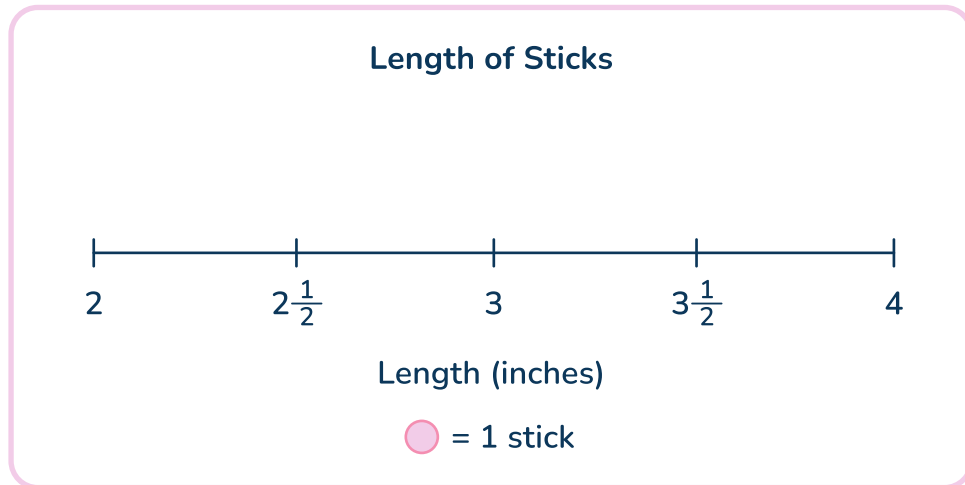
## Frequency distribution Worksheet | Grades 1 to 3

13

Seven sticks measure:

$2\frac{1}{2}$  inches, 3 inches,  $3\frac{1}{2}$  inches,  $2\frac{1}{2}$  inches,  $3\frac{1}{2}$  inches, 2 inches and  $2\frac{1}{2}$  inches.

Make a line plot to show the data.

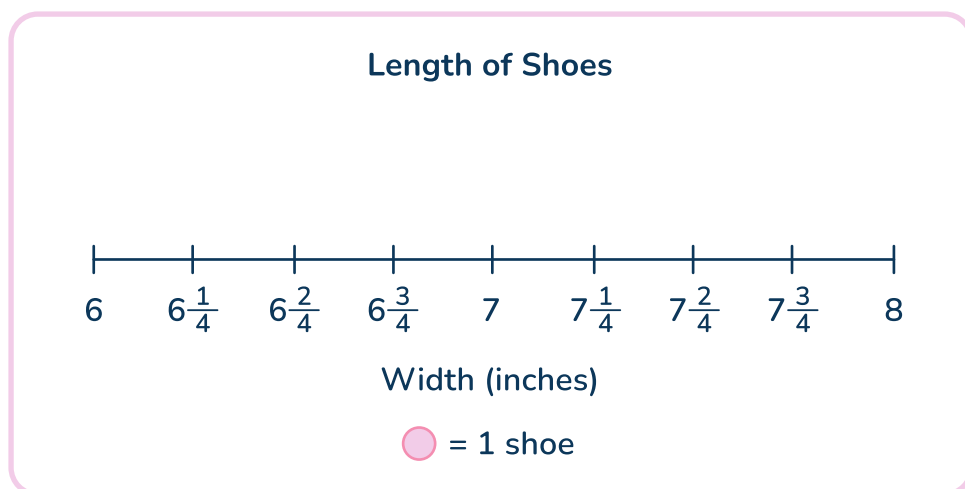


14

The length of eight shoes, in inches:

$6\frac{1}{4}$ , 7,  $7\frac{3}{4}$ , 7,  $6\frac{2}{4}$ ,  $7\frac{3}{4}$ , 7, 6

Make a line plot to show the data.

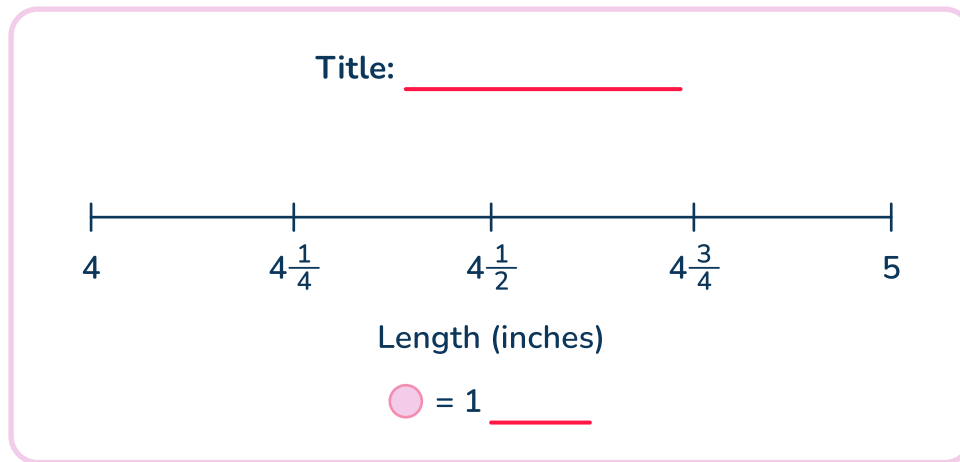


## Frequency distribution Worksheet | Grades 1 to 3

- 15 The lengths of some crayons, in inches, are:

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

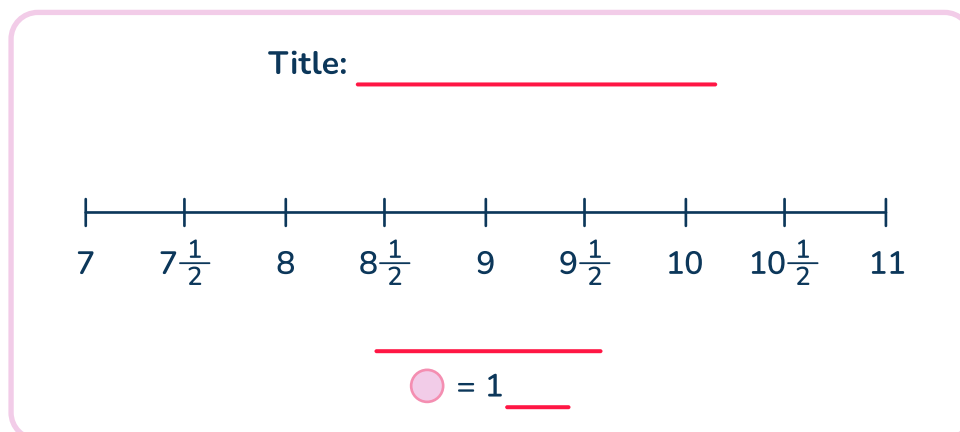
Make a line plot to show the data.



- 16 Seneca measured the height of some toys, in inches:

11,  $9\frac{1}{2}$ , 9,  $7\frac{1}{2}$ , 8, 10, 8

Make a line plot to show the data. Label all parts of the plot.



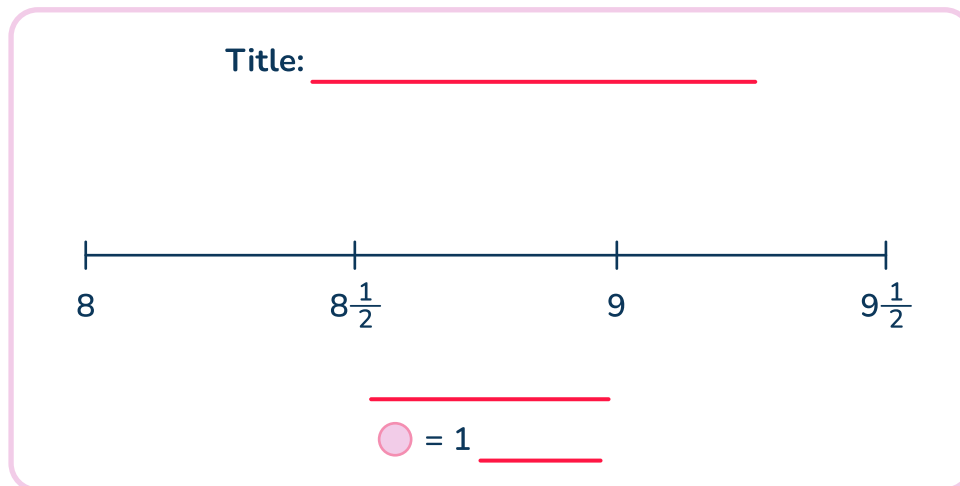


## Frequency distribution Worksheet | Grades 1 to 3

- 17 Désirée measured the length of her bracelets, in inches:

$8, 8\frac{1}{2}, 9, 8\frac{1}{2}, 8, 8, 8\frac{1}{2}$

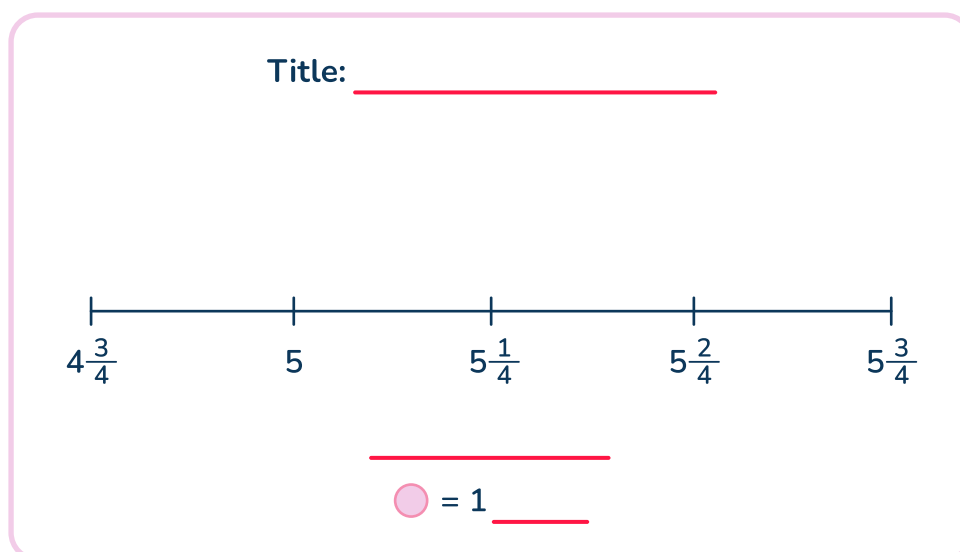
Make a line plot to show the data. Label all parts of the plot.



- 18 Cam measured the length of some pencils, in inches:

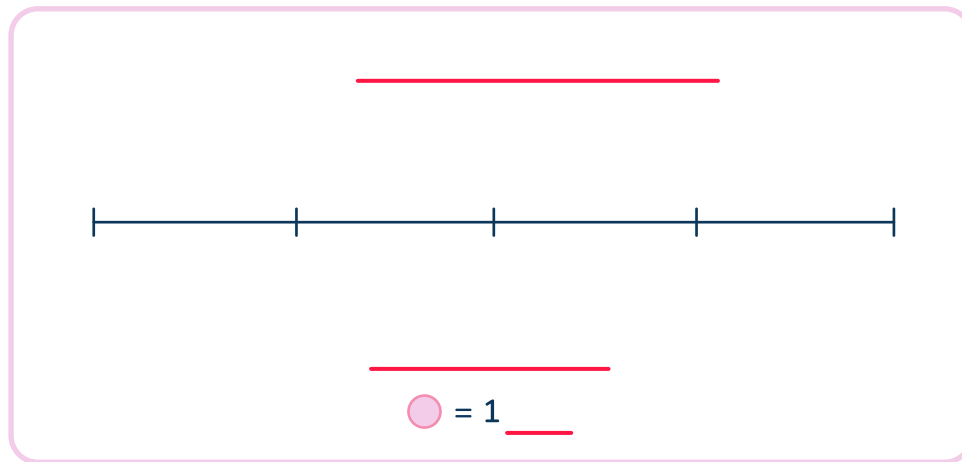
$5, 5\frac{1}{4}, 5, 5\frac{1}{4}, 5, 5\frac{3}{4}, 4\frac{3}{4}, 5$

Make a line plot to show the data. Label all parts of the plot.

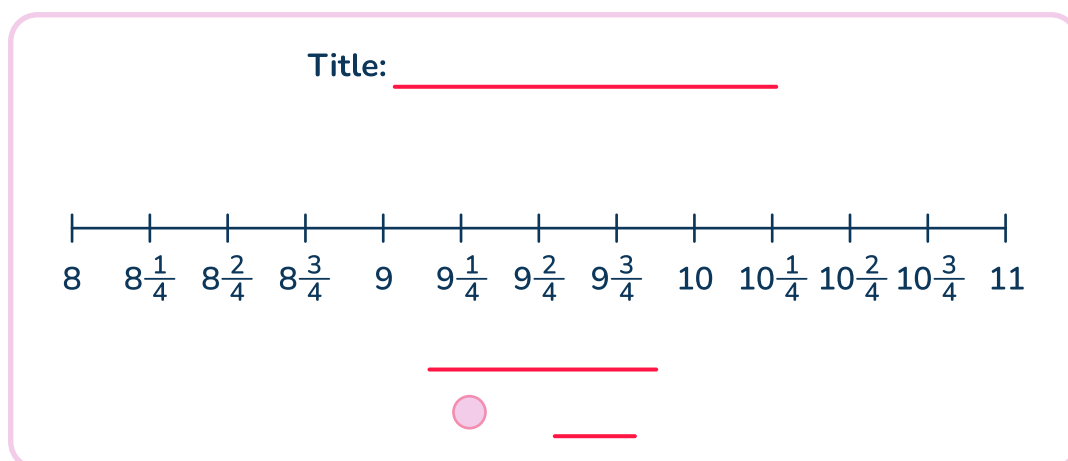


## Frequency distribution Worksheet | Grades 1 to 3

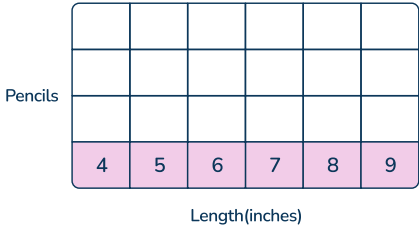
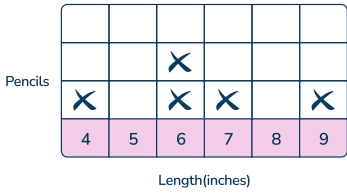
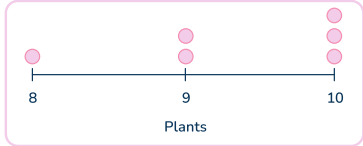
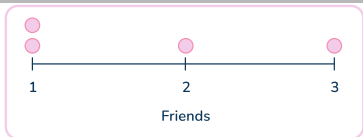
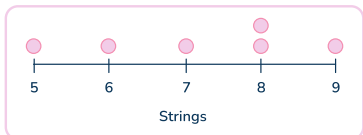
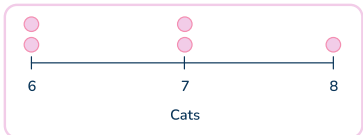
- 19 Kyler measures the height of some leaves:  
 $3\frac{1}{2}$  inches, 3 inches, 2 inches, 2 inches, 3 inches and  $3\frac{1}{2}$  inches.  
Make a line plot to show the data. Label all parts of the plot.



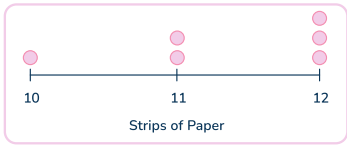
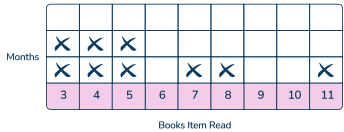
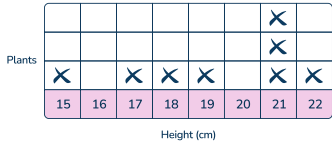
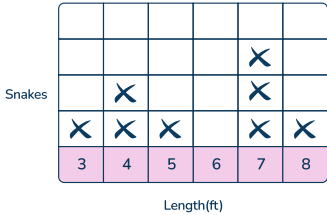
- 20 Ambar measured the height of some plants, in inches:  
 $9, 9\frac{3}{4}, 10, 8\frac{1}{4}, 11, 9\frac{3}{4}, 8\frac{3}{4}, 10$   
Make a line plot to show the data. Label all parts of the plot.



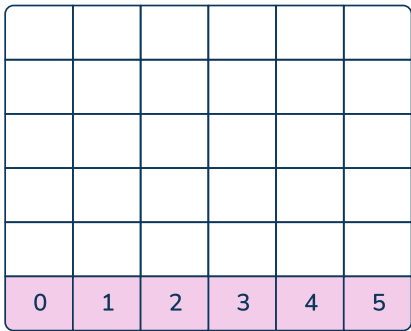
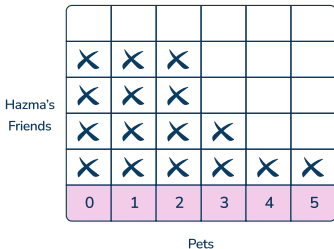
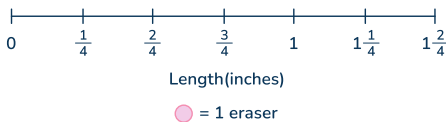
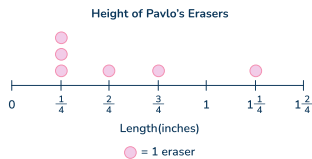
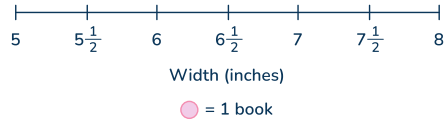
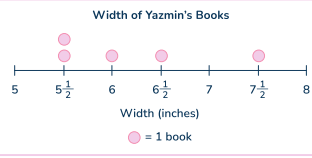
## Answers

Question number	Question	Answers	Standard
1	<p>Luna measured the lengths of five pencils: 4 inches, 7 inches, 6 inches, 9 inches, and 6 inches. Make a line plot to show the data.</p> 		2.MD.D.9
2	<p>Alex measured the heights of six plants: 9 cm, 10 cm, 10 cm, 8 cm, 9 cm, 10 cm. Make a line plot to show the data.</p>		2.MD.D.9
3	<p>Four friends measured their jumps: 1 ft, 2 ft, 1 ft, and 3 ft. Make a line plot to show the data.</p>		2.MD.D.9
4	<p>There were six strings. They measured 5 inches, 8 inches, 7 inches, 8 inches, 6 inches and 9 inches. Make a line plot to show the data.</p>		2.MD.D.9
5	<p>Lily recorded the weights of her cats: 6 lbs, 7 lbs, 6 lbs, 8 lbs, 7 lbs. Make a line plot to show the data.</p>		2.MD.D.9

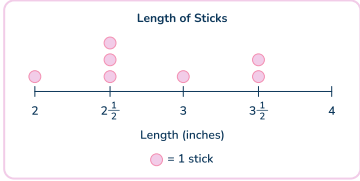
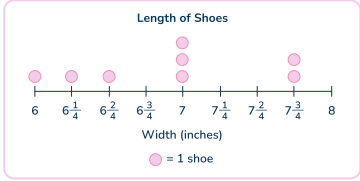
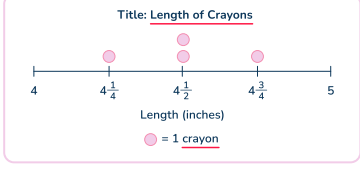
# Frequency distribution Worksheet | Grades 1 to 3 | Answers

Question number	Question	Answers	Standard
6	Six strips of paper were measured: 10 inches, 12 inches, 11 inches, 12 inches, 12 inches, 11 inches. Make a line plot to show the data.		2.MD.D.9
7	Ikem counted the number of books he read each month: 11, 5, 4, 3, 7, 8, 4, 3 and 5. Make a line plot to show the data.		2.MD.D.9
8	Mia's plants grew to these heights: 17 cm, 21 cm, 18 cm, 22 cm, 21 cm, 15 cm, 19 cm, 21 cm. Make a line plot to show the data.		2.MD.D.9
9	A zoo measured the lengths of some snakes: 4 ft, 7 ft, 4 ft, 3 ft, 7 ft, 5 ft, 7 ft, 8 ft. Make a line plot to show the data.		2.MD.D.9

# Frequency distribution Worksheet | Grades 1 to 3 | Answers

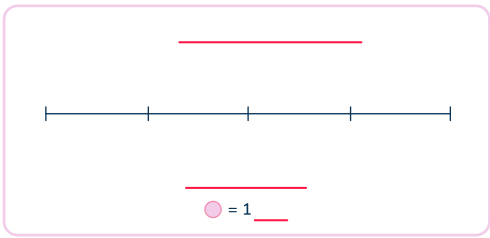
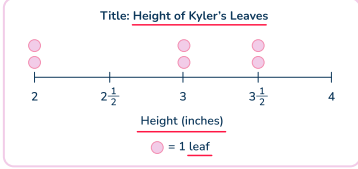
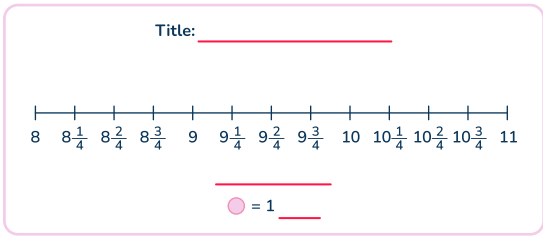
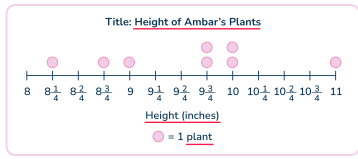
Question number	Question	Answers	Standard
10	<p>Hazma asked his friends how pets they had: 0, 1, 4, 3, 2, 5, 2, 2, 1, 1, 0, 0, 3, 2, 0, 1. Make a line plot to show the data.</p> <p>Hazma's Friends</p> 		2.MD.D.9
11	<p>Pavlo measures the height of his erasers, in inches: <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>1\frac{1}{4}</math>, <math>\frac{3}{4}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{4}</math> Make a line plot to show the data.</p> <p>Height of Pavlo's Erasers</p> 		3.MD.B.4
12	<p>Yazmin measures the width of her books, in inches: 5 1/2, 7 1/2, 6, 5 1/2, 6 1/2 Make a line plot to show the data.</p> <p>Width of Yazmin's Books</p> 		3.MD.B.4

# Frequency distribution Worksheet | Grades 1 to 3 | Answers

Question number	Question	Answers	Standard
13	<p>Seven sticks measure:  <math>2\frac{1}{2}</math> inches, 3 inches, <math>3\frac{1}{2}</math> inches,  <math>2\frac{1}{2}</math> inches, <math>3\frac{1}{2}</math> inches, 2 inches and  <math>2\frac{1}{2}</math> inches.                      Make a line plot to show the data.</p>		3.MD.B.4
14	<p>The length of eight shoes, in inches:  <math>6\frac{1}{4}</math>, 7, <math>7\frac{3}{4}</math>, 7, <math>6\frac{2}{4}</math>, <math>7\frac{3}{4}</math>, 7, 6                      Make a line plot to show the data.</p>		3.MD.B.4
15	<p>The lengths of some crayons, in inches, are:  <math>4\frac{1}{2}</math>, <math>4\frac{1}{2}</math>, <math>4\frac{1}{4}</math>, <math>4\frac{3}{4}</math>.                      Make a line plot to show the data.</p>		3.MD.B.4

Question number	Question	Answers	Standard
16	<p>Seneca measured the height of some toys, in inches:  <math>11, 9\frac{1}{2}, 9, 7\frac{1}{2}, 8, 10, 8</math>                      Make a line plot to show the data.                      Label all parts of the plot.</p> <div> <p>Title: _____</p> <p>_____</p> <p>● = 1 _____</p> </div>	<div> <p>Title: <u>Height of Seneca's Toys</u></p> <p>_____</p> <p>● = 1 <u>toy</u></p> </div>	3.MD.B.4
17	<p>Désirée measured the length of her bracelets, in inches:  <math>8, 8\frac{1}{2}, 9, 8\frac{1}{2}, 8, 8, 8\frac{1}{2}</math>                      Make a line plot to show the data.                      Label all parts of the plot.</p> <div> <p>Title: _____</p> <p>_____</p> <p>● = 1 _____</p> </div>	<div> <p>Title: <u>Length of Désirée's Bracelets</u></p> <p>_____</p> <p>● = 1 <u>bracelet</u></p> </div>	3.MD.B.4
18	<p>Cam measured the length of some pencils, in inches:  <math>5, 5\frac{1}{4}, 5, 5\frac{1}{4}, 5, 5\frac{3}{4}, 4\frac{3}{4}, 5</math>                      Make a line plot to show the data.                      Label all parts of the plot.</p> <div> <p>Title: _____</p> <p>_____</p> <p>● = 1 _____</p> </div>	<div> <p>Title: <u>Length of Cam's Pencils</u></p> <p>_____</p> <p>● = 1 <u>pencil</u></p> </div>	3.MD.B.4

# Frequency distribution Worksheet | Grades 1 to 3 | Answers

Question number	Question	Answers	Standard
19	<p>Kyler measures the height of some leaves:  <math>3\frac{1}{2}</math> inches, 3 inches, 2 inches, 2 inches, 3 inches and <math>3\frac{1}{2}</math> inches.                      Make a line plot to show the data.                      Label all parts of the plot.</p> <div> <div>_____</div>  </div>	<div> <div>Title: <u>Height of Kyler's Leaves</u></div>  </div>	3.MD.B.4
20	<p>Ambar measured the height of some plants, in inches:  <math>9, 9\frac{3}{4}, 10, 8\frac{1}{4}, 11, 9\frac{3}{4}, 8\frac{3}{4}, 10</math>                      Make a line plot to show the data.                      Label all parts of the plot.</p> <div> <div>Title: _____</div>  </div>	<div> <div>Title: <u>Height of Ambar's Plants</u></div>  </div>	3.MD.B.4






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