



**THIRD SPACE
LEARNING**

Frequency distribution Worksheet

Statistics and Probability

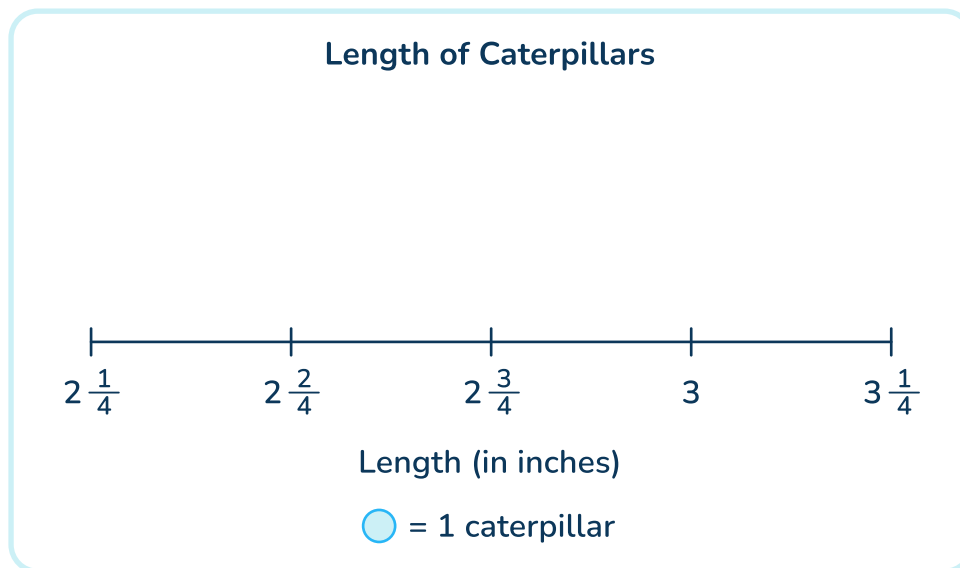
Grades 4 to 5

Questions

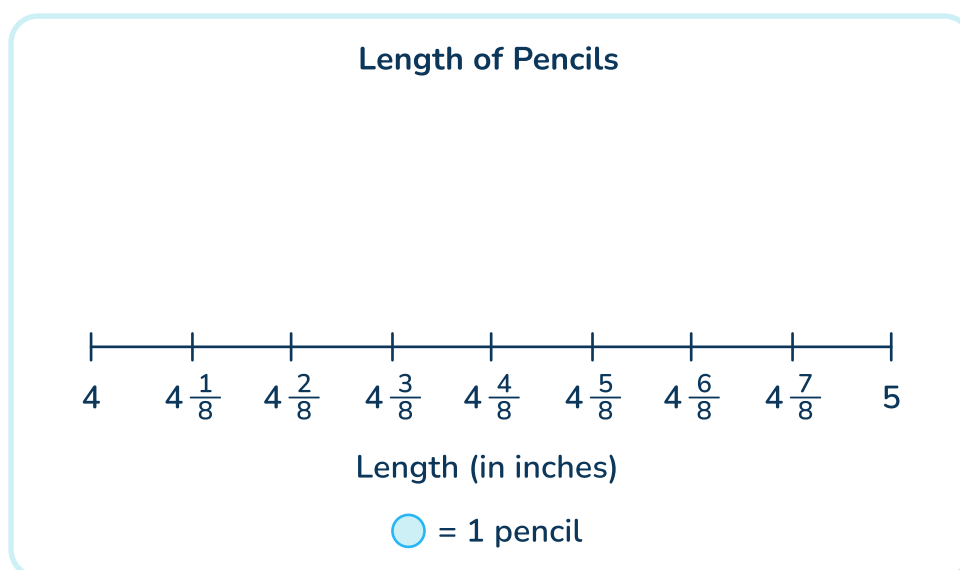
Name:

Date:

- 1 Some caterpillars were measured in inches: $2\frac{1}{4}$, $2\frac{2}{4}$, $2\frac{3}{4}$, 3, $3\frac{1}{4}$
Create a line plot for the data.

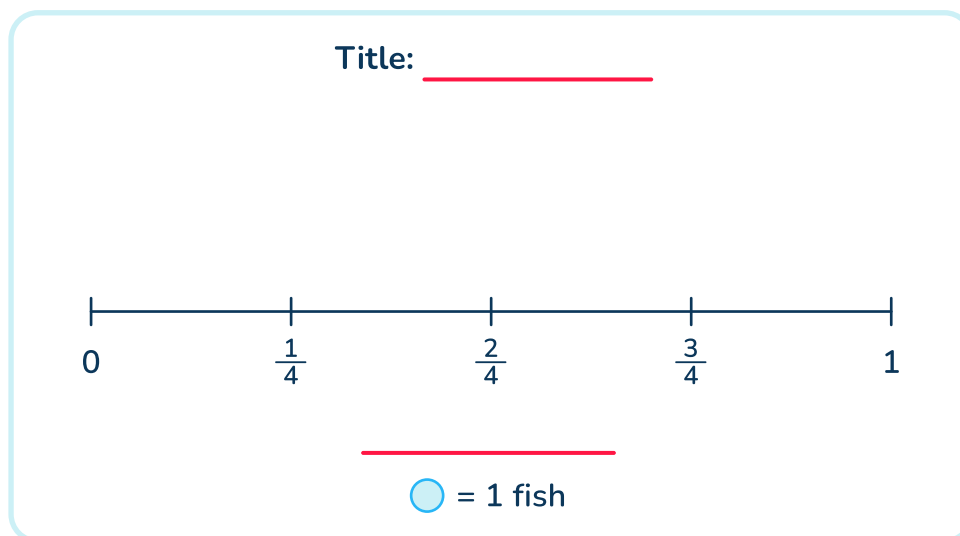


- 2 These pencils were measured in inches: $4\frac{1}{8}$, $4\frac{3}{4}$, $4\frac{5}{8}$, 4, $4\frac{1}{2}$, $4\frac{7}{8}$
Create a line plot for the data.

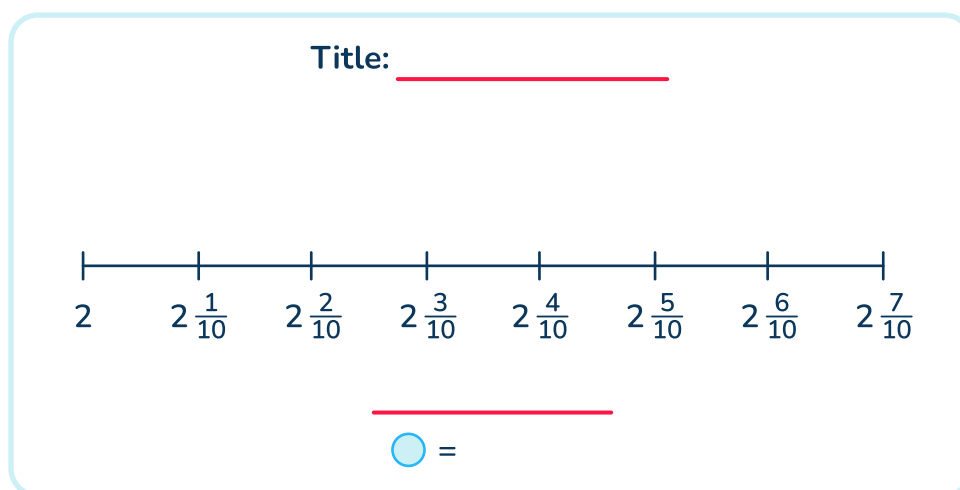


Frequency distribution Worksheet | Grades 4 to 5

- 3 These fish were weighed in pounds: $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{4}$
Create a line plot for the data. Label all parts of the plot.

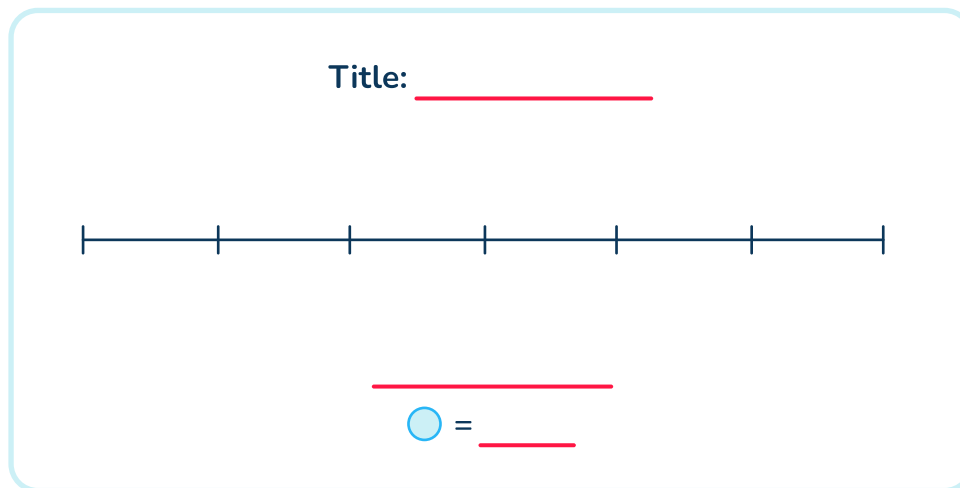


- 4 Etta measured different length ribbons, in meters:
 $2\frac{1}{10}$, 2 , $2\frac{1}{10}$, $2\frac{6}{10}$, 2 , $2\frac{7}{10}$, 2
Create a line plot for the data. Label all parts of the plot.

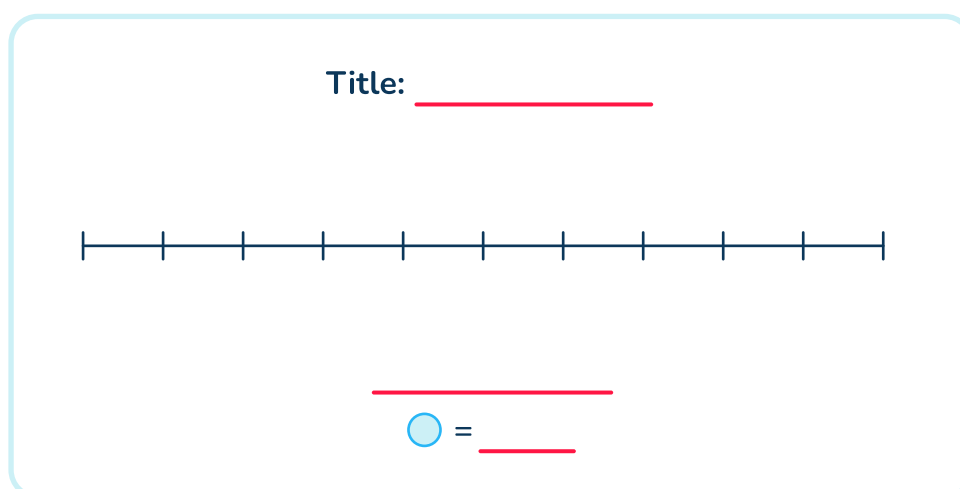


Frequency distribution Worksheet | Grades 4 to 5

- 5 A zoologist measured the weight of some birds, in ounces: 11 , $12\frac{1}{4}$, $11\frac{3}{4}$, $12\frac{1}{4}$, $12\frac{1}{2}$, 11 , $11\frac{3}{4}$
Create a line plot for the data. Label all parts of the plot.



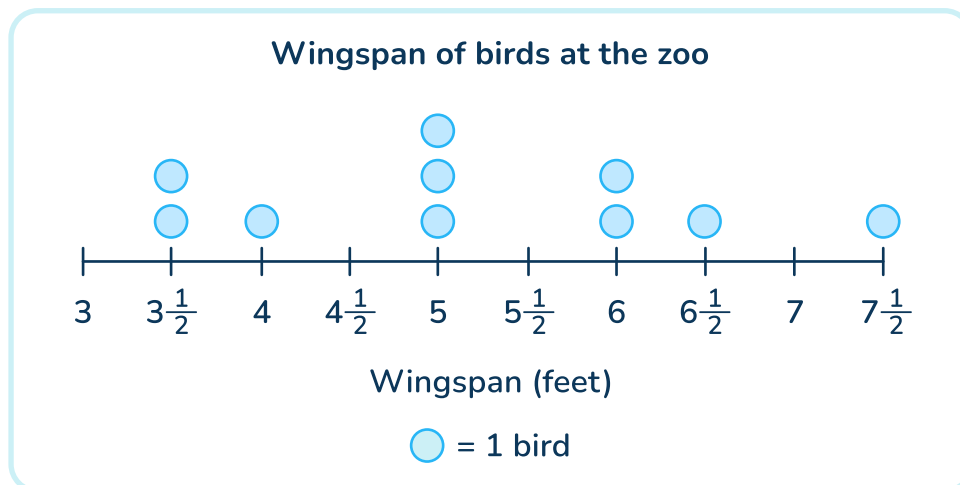
- 6 Yayah measured some sticks in feet:
 5 ft, $5\frac{1}{2}$ ft, $6\frac{1}{4}$ ft, $6\frac{1}{2}$ ft, $7\frac{1}{2}$ ft, $5\frac{1}{4}$ ft, $6\frac{1}{2}$ ft, $5\frac{1}{4}$ ft, 7 ft, $5\frac{3}{4}$ ft
Create a line plot for the data. Label all parts of the plot.



Frequency distribution Worksheet | Grades 4 to 5

Use the data on the line plot below to answer questions 7–9.

7



How many bird's wingspans are shown in the line plot?

Answer

8

What is the most common wingspan in the line plot?

Answer

9

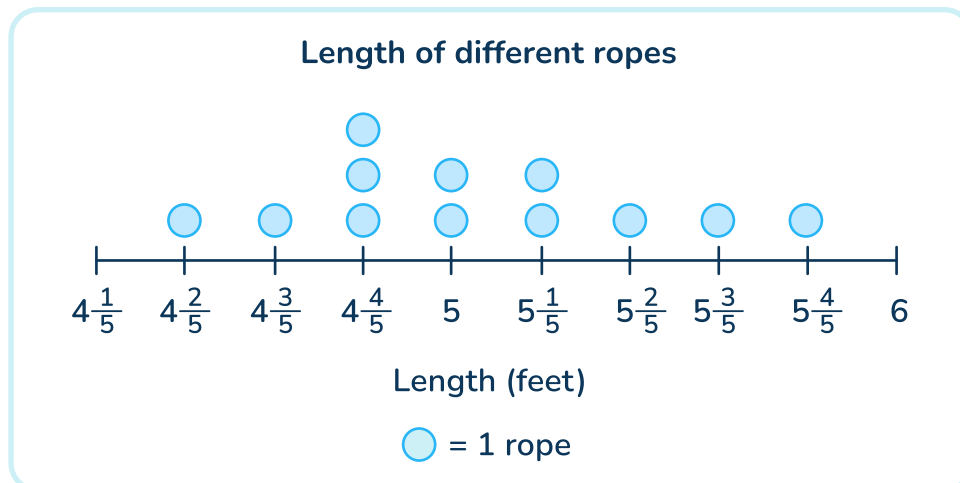
How much longer is the longest wingspan than the shortest?

Answer

Frequency distribution Worksheet | Grades 4 to 5

Use the data on the line plot below to answer questions 10 and 11.

10



What is the difference between the shortest and longest rope?

Answer

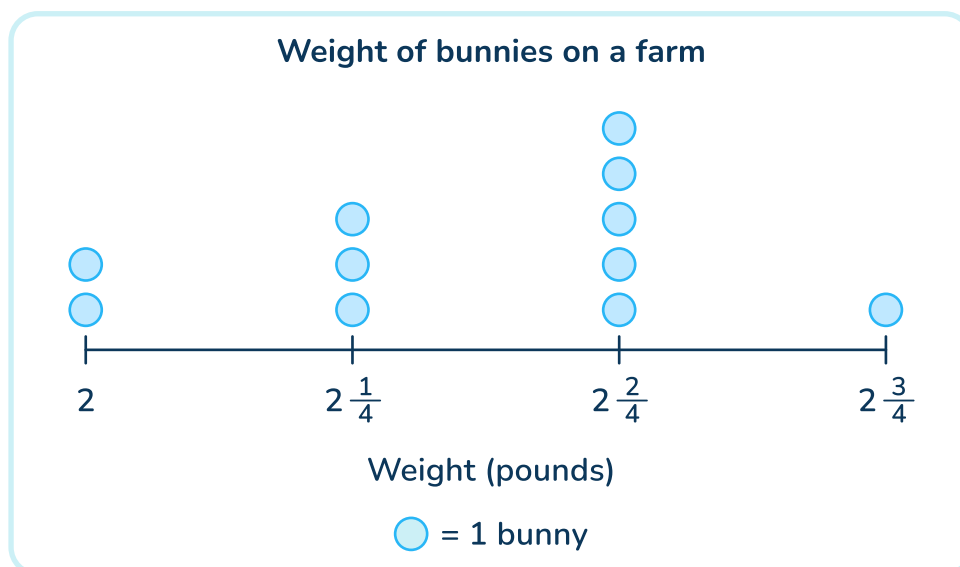
11

Josh puts all the ropes that are longer than 5 feet together, end to end. What is the total length of the ropes?

Answer

Use the data on the line plot below to answer questions 12–14.

12



How much more does the largest bunny weigh than the second largest?

Answer

- 13 What is the total weight of all the bunnies that weigh $2\frac{1}{4}$ pounds?

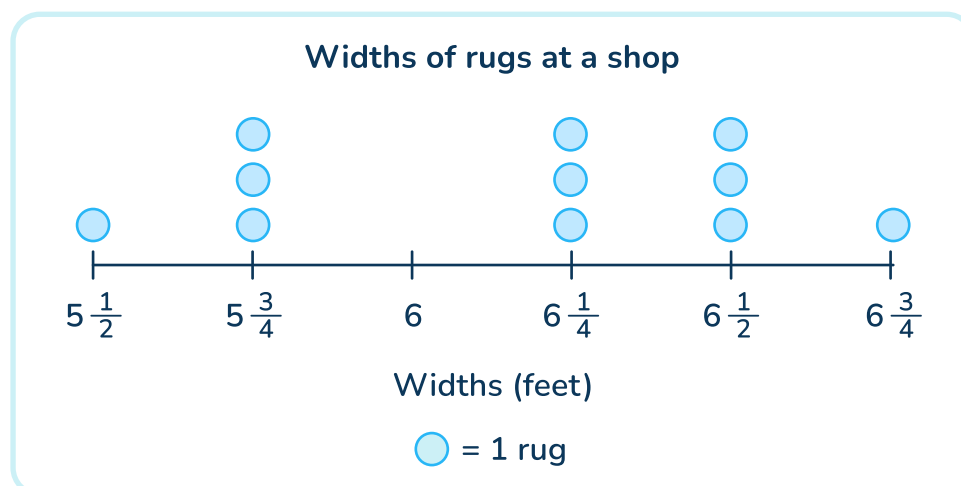
Answer

- 14 Teo is holding 3 bunnies that weigh a total of 7 pounds. What is the weight of each bunny Teo is holding?

Answer

Use the data on the line plot below to answer questions 15–16.

15



The shop owner, Lewayne, puts the two widest rugs next to each other, how wide are they together?

Answer

- 16 Lewayne has three rugs hanging in the shop window, side by side. Their total width is $19\frac{1}{4}$ ft. What are the widths of the three rugs?

Answer

Frequency distribution Worksheet | Grades 4 to 5

Use the data on the line plot below to answer questions 17–20.

17



Which kitten weight is most common?

Answer

18 Kimora is holding the three largest kittens. What is the weight of the kittens Kimora is holding?

Answer

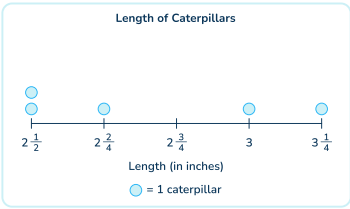
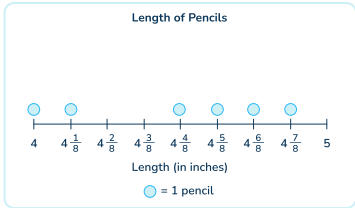
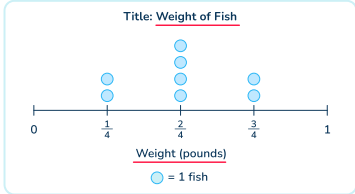
19 How much more does the largest kitten weigh, than the smallest kitten?

Answer

20 A new kitten is weighed. It weighs 3 times as much as the smallest kitten. What is the weight of the new kitten?

Answer


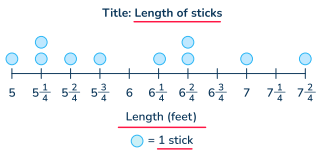
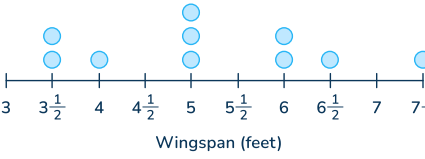
Answers

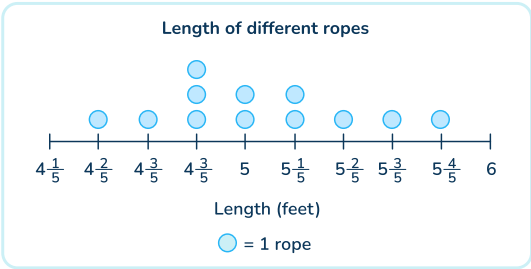
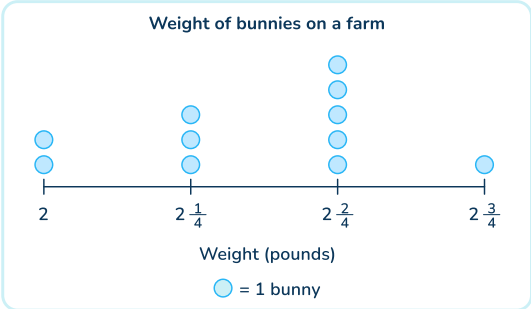
Question number	Question	Answers	Standard
1	<p>Some caterpillars were measured in inches: $2\frac{1}{4}$, $2\frac{2}{4}$, $2\frac{3}{4}$, 3, $3\frac{1}{4}$</p> <p>Create a line plot for the data.</p>		4.MD.B.4 5.MD.B.2
2	<p>These pencils were measured in inches: $4\frac{1}{8}$, $4\frac{3}{4}$, $4\frac{5}{8}$, 4, $4\frac{1}{2}$, $4\frac{7}{8}$</p> <p>Create a line plot for the data.</p>		4.MD.B.4 5.MD.B.2
3	<p>These fish were weighed in pounds: $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{4}$</p> <p>Create a line plot for the data. Label all parts of the plot.</p>		4.MD.B.4 5.MD.B.2

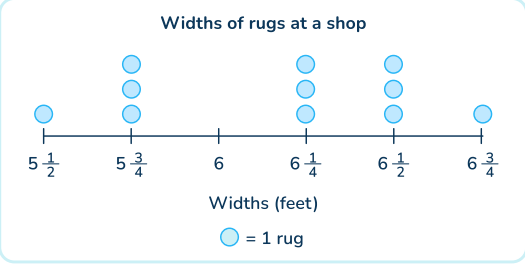

Frequency distribution Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
4	<p>Etta measured different length ribbons, in meters: $2\frac{1}{10}$, 2, $2\frac{1}{10}$, $2\frac{6}{10}$, 2, $2\frac{7}{10}$, 2 Create a line plot for the data. Label all parts of the plot.</p> <div> <p>Title: _____</p> </div>	<div> <p>Title: <u>Length of ribbons</u></p> </div>	4.MD.B.4 5.MD.B.2
5	<p>A zoologist measured the weight of some birds, in ounces: 11, $12\frac{1}{4}$, $11\frac{3}{4}$, $12\frac{1}{4}$, $12\frac{1}{2}$, 11, $11\frac{3}{4}$ Create a line plot for the data. Label all parts of the plot.</p> <div> <p>Title: _____</p> </div>	<div> <p>Title: <u>Weight of birds</u></p> </div>	4.MD.B.4 5.MD.B.2

Frequency distribution Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
6	<p>Yayah measured some sticks in feet: 5 ft, $5\frac{1}{2}$ ft, $6\frac{1}{4}$ ft, $6\frac{1}{2}$ ft, $7\frac{1}{2}$ ft, $5\frac{1}{4}$ ft, $6\frac{1}{2}$ ft, $5\frac{1}{4}$ ft, 7 ft, $5\frac{3}{4}$ ft Create a line plot for the data. Label all parts of the plot.</p> <div> <p>Title: _____</p>  <p>_____</p> <p>● = _____</p> </div>		4.MD.B.4 5.MD.B.2
7	<div> <p>Wingspan of birds at the zoo</p>  <p>Wingspan (feet)</p> <p>● = 1 bird</p> </div> <p>How many bird's wingspans are shown in the line plot?</p>	10	4.MD.B.4
8	What is the most common wingspan in the line plot?	5 feet	4.MD.B.4
9	How much longer is the longest wingspan than the shortest?	4 feet	4.MD.B.4

Question number	Question	Answers	Standard
10	<p>Length of different ropes</p>  <p>Length (feet)</p> <p>● = 1 rope</p> <p>What is the difference between the shortest and longest rope?</p>	$1\frac{2}{5}$ ft	4.MD.B.4
11	<p>Josh puts all the ropes that are longer than 5 feet together, end to end. What is the total length of the ropes?</p>	$27\frac{1}{5}$ ft	4.MD.B.4
12	<p>Weight of bunnies on a farm</p>  <p>Weight (pounds)</p> <p>● = 1 bunny</p> <p>How much more does the largest bunny weigh than the second largest?</p>	$\frac{1}{4}$ pound	4.MD.B.4
13	<p>What is the total weight of all the bunnies that weigh $2\frac{1}{4}$ pounds?</p>	$6\frac{3}{4}$ pounds	4.MD.B.4
14	<p>Teo is holding 3 bunnies that weigh a total of 7 pounds. What is the weight of each bunny Teo is holding?</p>	<p>2 pounds, $2\frac{2}{4}$ pounds, $2\frac{2}{4}$ pounds OR 2 pounds, $2\frac{1}{4}$ pounds, $2\frac{3}{4}$ pounds</p>	4.MD.B.4

Question number	Question	Answers	Standard
15	<p>Widths of rugs at a shop</p>  <p>Widths (feet)</p> <p>● = 1 rug</p> <p>The shop owner, Lewayne, puts the two widest rugs next to each other, how wide are they together?</p>	$13\frac{1}{4}$ feet	5.MD.B.2
16	<p>Lewayne has three rugs hanging in the shop window, side by side. Their total width is $19\frac{1}{4}$ ft. What are the widths of the three rugs?</p>	$6\frac{1}{4}$, $6\frac{1}{4}$, $6\frac{3}{4}$	5.MD.B.2
17	<p>Weight of different kittens</p>  <p>Weight (pounds)</p> <p>● = 1 kitten</p> <p>Which kitten weight is most common?</p>	1.75 pounds	5.MD.B.2
18	<p>Kimora is holding the three largest kittens. What is the weight of the kittens Kimora is holding?</p>	7.5 pounds	5.MD.B.2
19	<p>How much more does the largest kitten weigh, than the smallest kitten?</p>	1.5 pounds	5.MD.B.2
20	<p>A new kitten is weighed. It weighs 3 times as much as the smallest kitten. What is the weight of the new kitten?</p>	3.75 pounds	5.MD.B.2

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

- 🖥️ thirdspacelearning.com/us/
- 📞 (929) 298-4593
- ✉️ hello@thirdspacelearning.com



THIRD SPACE
LEARNING