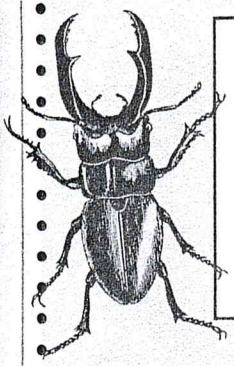
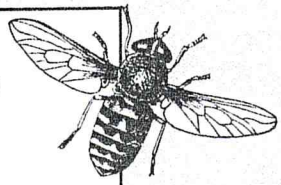
NAME: ..... DATE: .....

MEASUREMENT & DATA

1. Tia measures the lengths of some insects. The table shows her data.





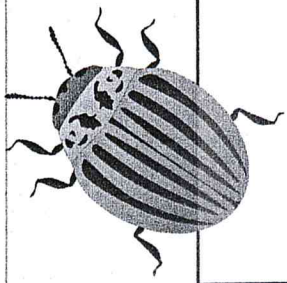
$\frac{1}{2}$ *inch*	$\frac{1}{8}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{2}$ *inch*
$\frac{1}{8}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{2}$ *inch*	$\frac{1}{8}$ *inch*	$\frac{1}{2}$ *inch*
$\frac{1}{4}$ *inch*	$\frac{1}{2}$ *inch*	$\frac{1}{8}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{4}$ *inch*

Tia is making a line plot for the data. How many data points will represent the insects that are $\frac{1}{2}$ inch long?

A. 4 **B.** 5 **C.** 15 **D.** 1

5.MD.B.2

2. Katy measures the lengths of some insects. The table shows her data.



$\frac{1}{4}$ *inch*	$\frac{1}{2}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{8}$ *inch*
$\frac{1}{2}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{2}$ *inch*	$\frac{1}{4}$ *inch*	$\frac{1}{8}$ *inch*
$\frac{1}{2}$ *inch*	$\frac{1}{8}$ *inch*	$\frac{1}{8}$ *inch*	$\frac{1}{2}$ *inch*	$\frac{1}{4}$ *inch*

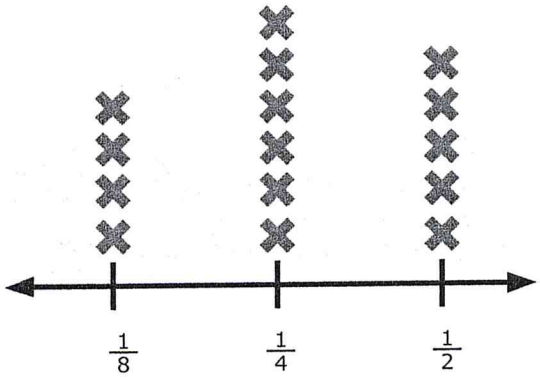
Katy is making a line plot for the data. How many data points will represent the insects that are $\frac{1}{4}$ inch long?

A. 15 **B.** 4 **C.** 6 **D.** 1

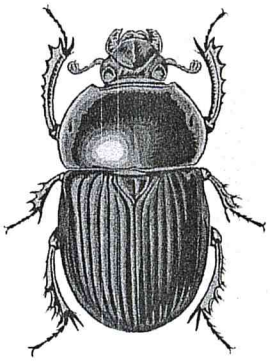
5.MD.B.2

MEASUREMENT & DATA

3. This line plot displays the data collected on some insects.



Insect Length (inches)

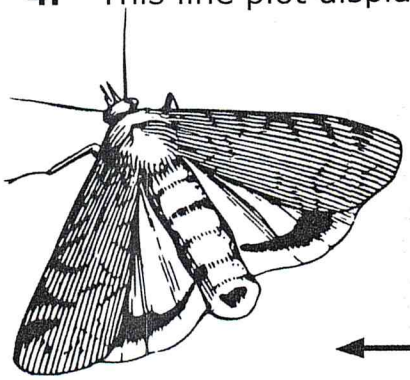


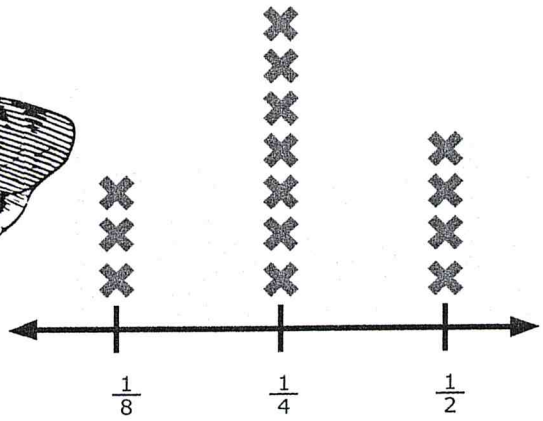
What is the combined length of the insects that are $\frac{1}{4}$ inch long?

A. $1\frac{1}{2}$ inches **B.** 6 inches **C.** $\frac{4}{6}$ inches **D.** $\frac{6}{24}$ inches

5.MD.B.2

4. This line plot displays the data collected on some insects.





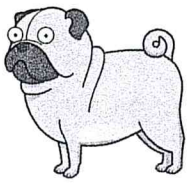
Insect Length (inches)

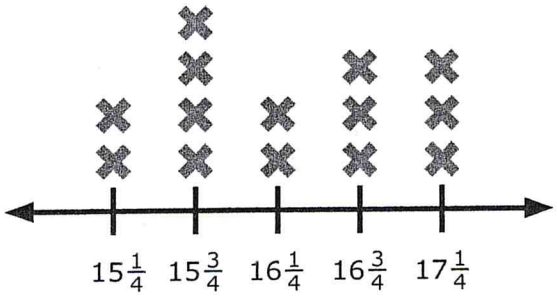
What is the combined length of the insects that are $\frac{1}{2}$ inch long?

A. $\frac{2}{4}$ inch **B.** $\frac{1}{8}$ inch **C.** 4 inches **D.** 2 inches

5.MD.B.2

5. This line plot displays the data collected on some dogs.



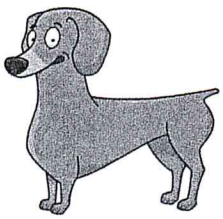


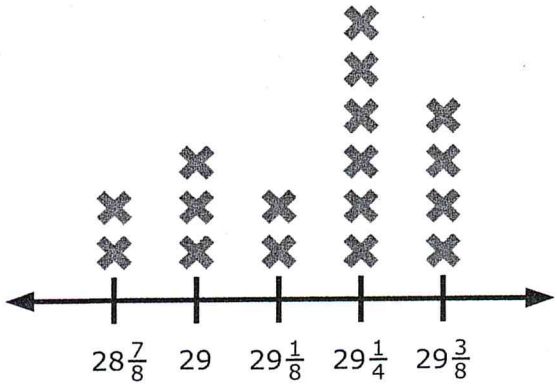
What is the difference between the weight of the heaviest dogs and the lightest dogs?

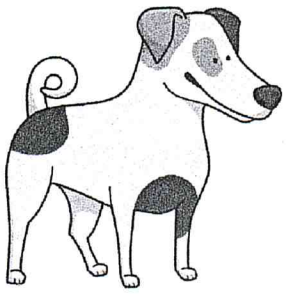
A. $2\frac{1}{4}$ pounds **B.** $\frac{2}{4}$ pounds **C.** 2 pounds **D.** 1 pound

5.MD.B.2

6. This line plot displays the data collected on some dogs.







What is the difference between the weight of the heaviest dogs and the lightest dogs?

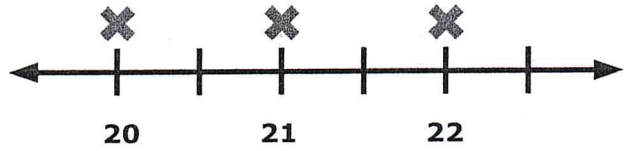
A. $\frac{1}{2}$ pound **B.** 1 pound **C.** $\frac{3}{8}$ pound **D.** 2 pounds

5.MD.B.2

MEASUREMENT & DATA

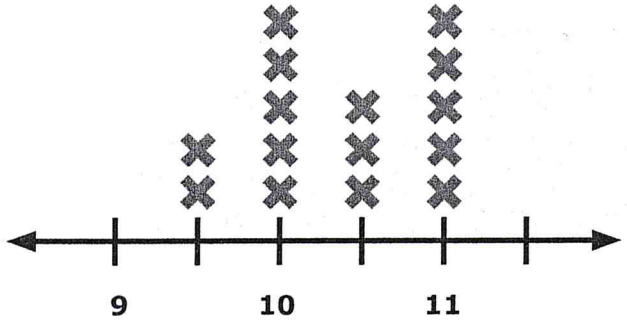
7. Which line plot best represents the ages of the students in a fifth-grade class?

A.



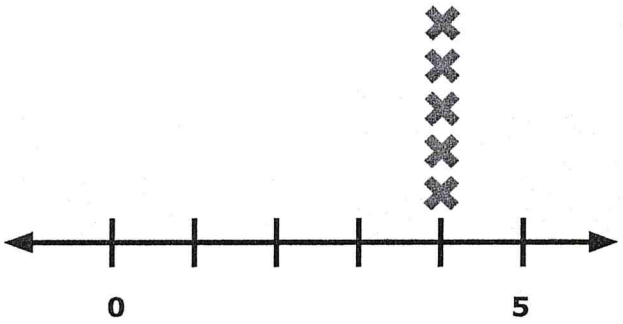
Students

B.



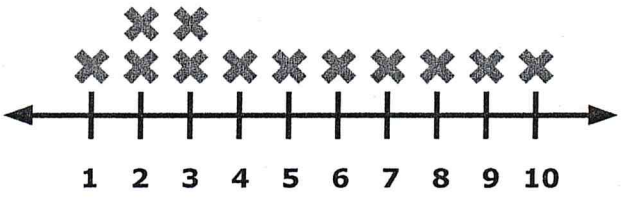
Students' Age

C.



Grade Level

D.



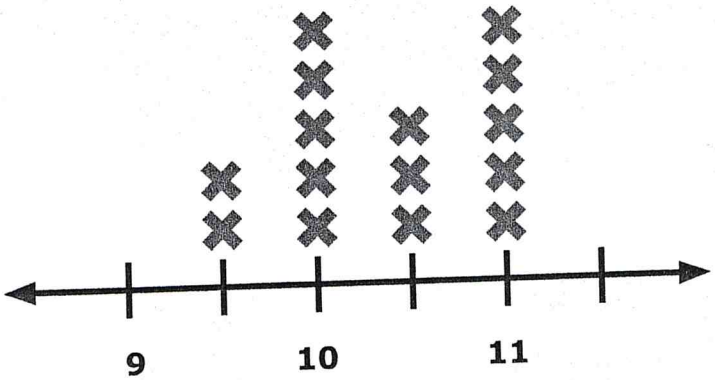
Students' Age

5.MD.B.2

NAME: ..... DATE: .....

MEASUREMENT & DATA

8. This line plot shows the age range of the students in Mrs. Green's class.



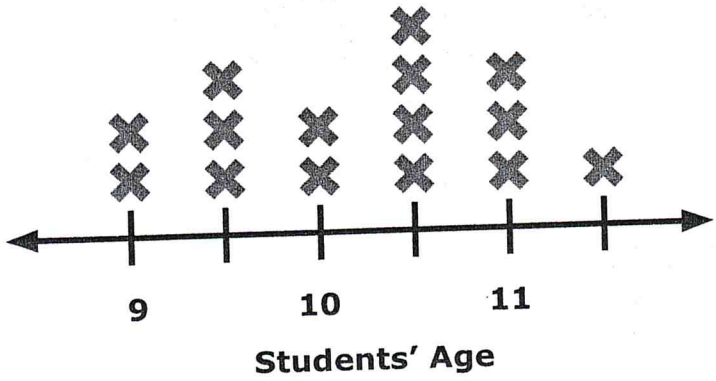
Students' Age

How many students are $10\frac{1}{2}$ years old?

A. 4 **B.** 5 **C.** 3 **D.** 1

5.MD.B.2

9. This line plot shows the age range of the students in Mr. Brown's class.



Students' Age

How many students are between $9\frac{1}{2}$ and 11 years old?

A. 12 **B.** 2 **C.** 4 **D.** 6

5.MD.B.2

GRAPHS AND DATA INTERPRETATION

10. This list shows the number of miles a deer travels each day.

$10\frac{1}{2}$, $12\frac{1}{4}$, $20\frac{1}{8}$, $12\frac{1}{4}$, $11\frac{3}{8}$, $13\frac{1}{2}$,

$10\frac{1}{2}$, $11\frac{5}{8}$, $14\frac{1}{4}$

Grady is making a line plot of this data. How many data points will be on the line plot?

A. 9 **B.** 7 **C.** 10 **D.** 2

(5.MD.B.2)

11. This list shows the number of miles Owen runs each day during part of January.

$2\frac{1}{8}$, $2\frac{7}{8}$, $2\frac{1}{8}$, $3\frac{1}{4}$, $1\frac{5}{8}$, $2\frac{7}{8}$, $2\frac{7}{8}$, $3\frac{3}{4}$, $1\frac{5}{8}$

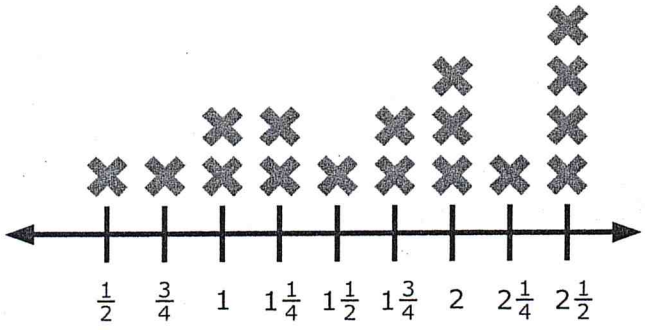
$2\frac{7}{8}$, $3\frac{3}{4}$, 2, $1\frac{5}{8}$

Owen is making a line plot of this data. How many data points will be on the line plot?

A. 6 **B.** 7 **C.** 13 **D.** 4

5.MD.B.2

12. Dr. Adalumo uses this line plot to display the amount of growth his patients have had in one year.



Growth (inches)

How many of Dr. Adalumo's patients grew more than 1 inch?

A. 13 **B.** 15

C. 17 **D.** 6

5.MD.B.2

13. This list contains data collected on the distances walked by 15 people.

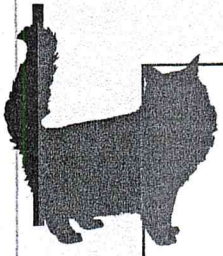
$\frac{3}{2}$ *miles*, $\frac{3}{8}$ *mile*, $\frac{5}{4}$ *miles*, $\frac{7}{4}$ *miles*, $\frac{1}{2}$ *mile*
$\frac{6}{8}$ *mile*, $\frac{3}{4}$ *mile*, $\frac{3}{2}$ *miles*, $\frac{5}{8}$ *mile*, $\frac{1}{2}$ *mile*
$\frac{5}{4}$ *miles*, $\frac{7}{2}$ *miles*, $\frac{1}{8}$ *mile*, $\frac{7}{4}$ *miles*, $\frac{5}{4}$ *miles*

Which distance will have the greatest number of data points on a line plot?

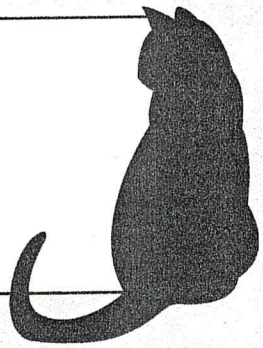
_____

(5.MD.B.2)

14. This list contains data collected about the weights of 10 cats.



$4\frac{1}{2}$ lbs, $7\frac{3}{8}$ lbs, $6\frac{1}{4}$ lbs, $5\frac{1}{4}$ lbs, $4\frac{1}{2}$ lbs
$8\frac{7}{8}$ lbs, $5\frac{1}{4}$ lbs, $6\frac{1}{4}$ lbs, $7\frac{3}{8}$ lbs, $4\frac{1}{2}$ lbs



Which weight will have the fewest number of data points on a line plot?

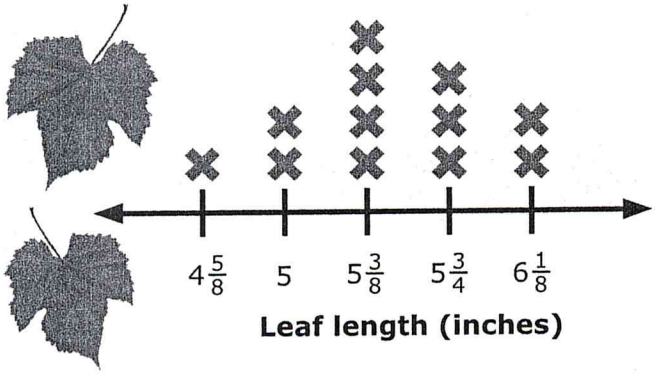
_____

(5.MD.B.2)

MEASUREMENT & DATA

GRAPHS AND DATA INTERPRETATION

15. This line plot displays data collected on the length of 12 leaves.

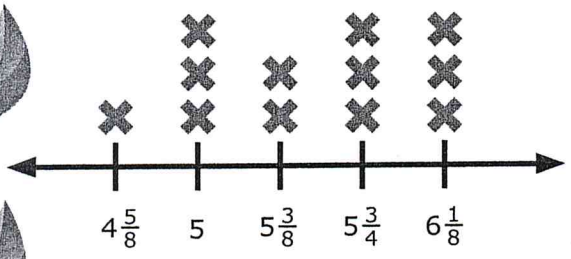


What is the combined length of the leaves that are $5\frac{3}{8}$ inches long?

_____

5.MD.B.2

16. This line plot displays data collected on the length of 12 leaves.

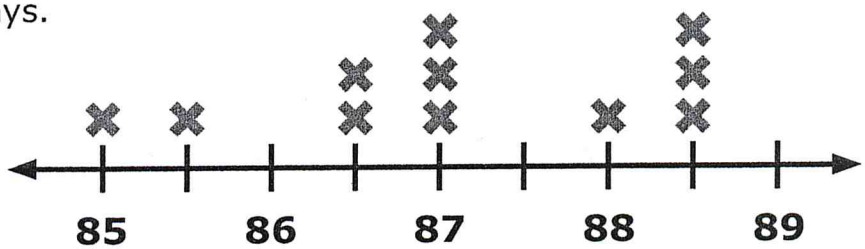


What is the difference between the length of the longest leaf and the shortest leaf?

_____

5.MD.B.2

17. This line plot shows the temperature recorded in Florida over 11 days.



What is the difference between the highest and the lowest temperatures?

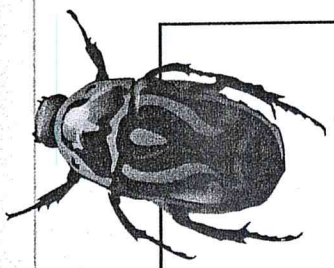
_____

5.MD.B.2

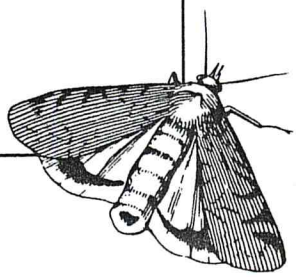
NAME: ..... DATE: .....

MEASUREMENT & DATA

18. This list includes data collected about the length of some insects.



$\frac{3}{4}$ *inch*, $\frac{5}{4}$ *inch*, $\frac{6}{4}$ *inch*, $\frac{7}{4}$ *inch*, $\frac{2}{4}$ *inch*
$\frac{3}{4}$ *inch*, $\frac{3}{4}$ *inch*, $\frac{6}{4}$ *inch*, $\frac{4}{4}$ *inch*, $\frac{5}{4}$ *inch*
$\frac{5}{4}$ *inch*, $\frac{7}{4}$ *inch*, $\frac{8}{4}$ *inch*, $\frac{6}{4}$ *inch*, $\frac{5}{4}$ *inch*

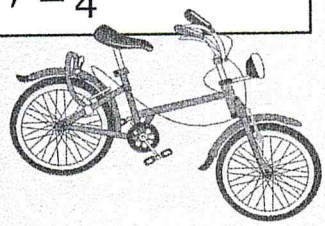


Create a line plot to represent this data.

5.MD.B.2

19. This list shows the number of miles Eric rides his bike each week for 10 weeks.

$2\frac{1}{2}$ miles, $2\frac{5}{8}$ miles, $2\frac{3}{4}$ miles, $2\frac{1}{4}$ miles, $2\frac{1}{2}$ miles
$2\frac{1}{2}$ miles, $2\frac{3}{4}$ miles, $2\frac{5}{8}$ miles, $2\frac{5}{8}$ miles, $2\frac{3}{4}$ miles

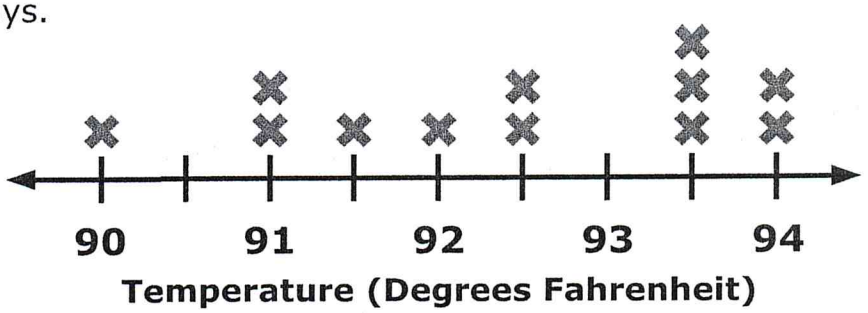


Create a line plot to represent this data.

5.MD.B.2

MEASUREMENT & DATA

20. This line plot shows the temperatures recorded in Florida over 12 days.



Temperature (Degrees Fahrenheit)

Write 3-4 sentences describing the data represented in this line plot.

5.MD.B.2