

Data and Line Plots

Unit Test, Form A (page 1 of 2)

Score _____ / 11

1. Use the key to write how many.

Favorite Fruit

Apple	   	
Banana	 	
Grape	    	
Pear	  	

Key:  = 10 votes  = 5 votes

2. Draw pictures for each number.

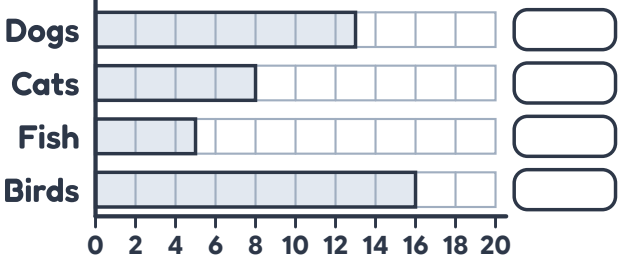
Cookies Sold

Mia	    	7
Noah	     	10
Owen	    	4
Pia	     	9

Key:  = 2 cookies  = 1 cookie

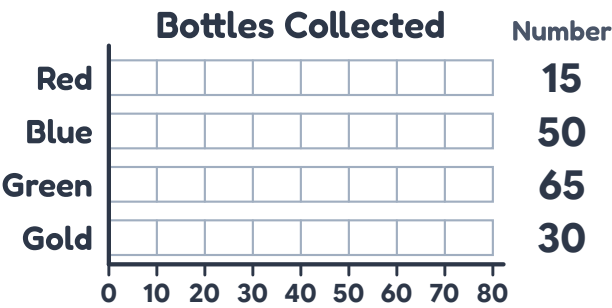
3. Write how many for each bar.

Pets in Our Class



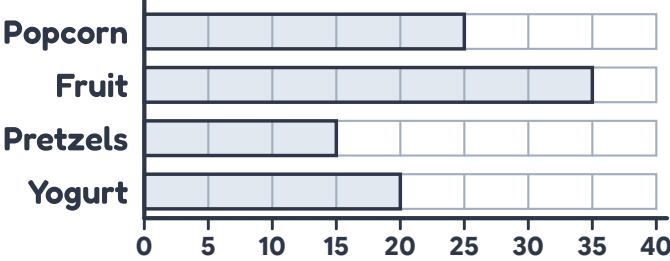
4. Draw a bar to show each number.

Bottles Collected



5. Use the bar graph to answer a and b.

Favorite Snack



a. How many more students chose fruit than pretzels?

b. How many more students chose popcorn and yogurt together than fruit?

Data and Line Plots

Unit Test, Form A (page 2 of 2)

6. How long is the nail to the nearest half inch?



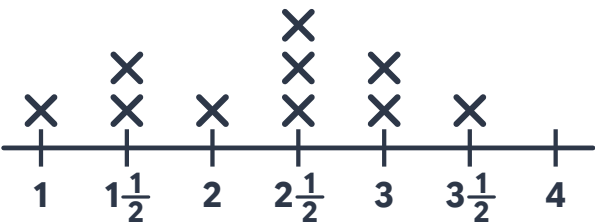
_____ inches

7. How long is the paper clip to the nearest quarter inch?



_____ inches

8. How many ribbons are longer than 2 inches?



Ribbon length (inches)

ribbons

9. Make a line plot of the lengths.

Stick Lengths (inches)

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



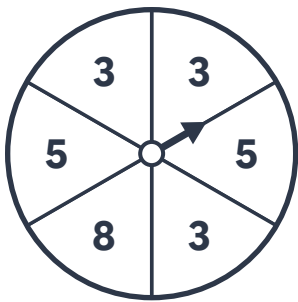
10. Tally the answers. Write each frequency and the total.

Which animal do you like best?



	Tally	Frequency
Total		

11. Spin the spinner once. List every possible outcome.



Outcomes:

Data and Line Plots

Unit Test, Form B (page 1 of 2)

Score _____ / 11

1. Use the key to write how many.

Favorite Sport		
Soccer	   	
Swimming	  	
Tennis	 	
Running	  	

Key:  = 10 votes  = 5 votes

2. Draw pictures for each number.

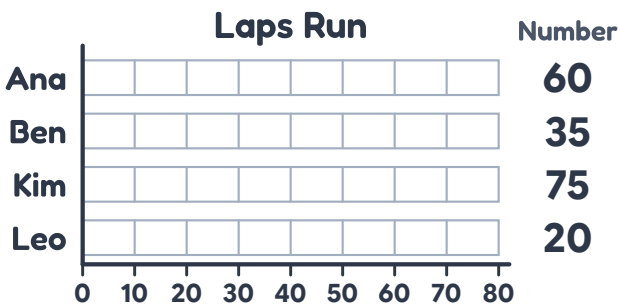
Books Read		
Ana	     	9
Ben	    	6
Cam	   	3
Dee	    	8

Key:  = 2 books  = 1 book

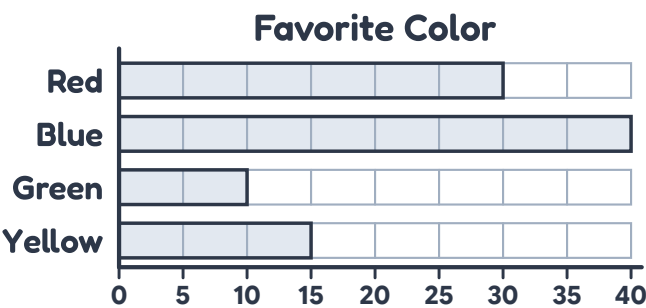
3. Write how many for each bar.



4. Draw a bar to show each number.



5. Use the bar graph to answer a and b.



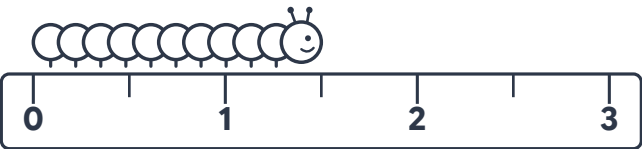
a. How many more students chose blue than yellow?

b. How many more students chose blue and green together than red?

Data and Line Plots

Unit Test, Form B (page 2 of 2)

6. How long is the caterpillar to the nearest half inch?



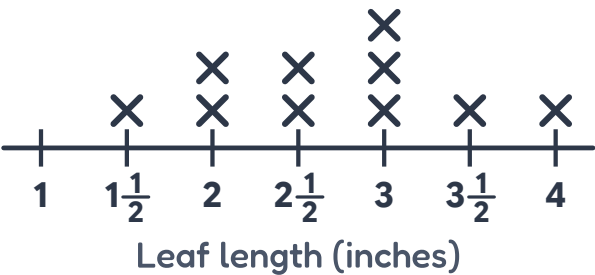
_____ inches

7. How long is the crayon to the nearest quarter inch?



_____ inches

8. How many leaves are longer than 3 inches?



leaves

9. Make a line plot of the lengths.

Shell Lengths (inches)

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



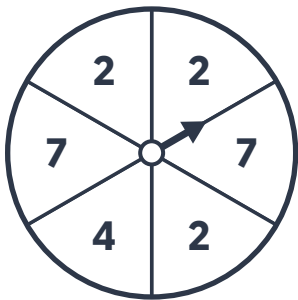
10. Tally the answers. Write each frequency and the total.

Which fruit do you like best?



	Tally	Frequency
Total		

11. Spin the spinner once. List every possible outcome.



Outcomes:

Data and Line Plots

Unit Test, Form A (page 1 of 2)

Score _____ / 11

1. Use the key to write how many.

Favorite Fruit

Apple	   	35
Banana	 	20
Grape	    	45
Pear	  	30

Key:  = 10 votes  = 5 votes

Lesson 12.1 · Read picture graphs

2. Draw pictures for each number.

Cookies Sold

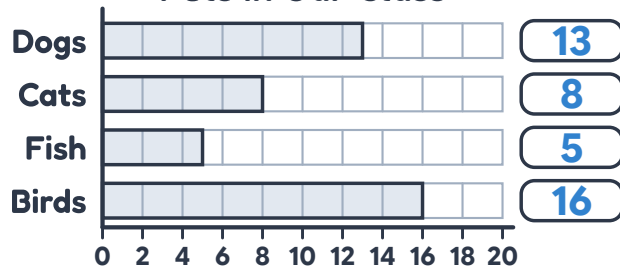
Mia	     	7
Noah	     	10
Owen	     	4
Pia	     	9

Key:  = 2 cookies  = 1 cookie

Lesson 12.2 · Make picture graphs

3. Write how many for each bar.

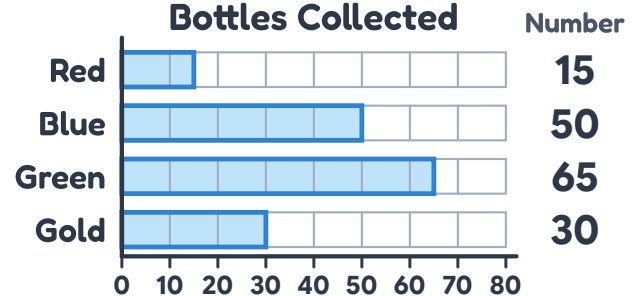
Pets in Our Class



Lesson 12.3 · Read scaled bar graphs

4. Draw a bar to show each number.

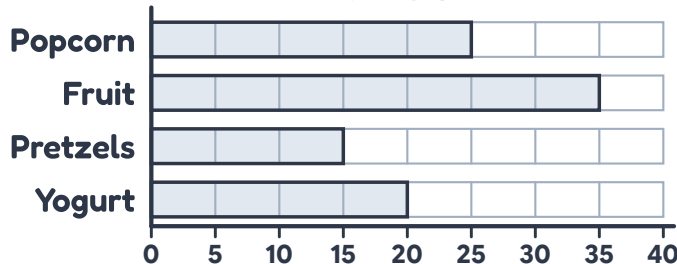
Bottles Collected



Lesson 12.4 · Make scaled bar graphs

5. Use the bar graph to answer a and b.

Favorite Snack



a. How many more students chose fruit than pretzels?

20

b. How many more students chose popcorn and yogurt together than fruit?

10

Lesson 12.5 · How many more or fewer

Data and Line Plots

Unit Test, Form A (page 2 of 2)

6. How long is the nail to the nearest half inch?



$2\frac{1}{2}$ inches

Lesson 12.6 · Half and quarter inches

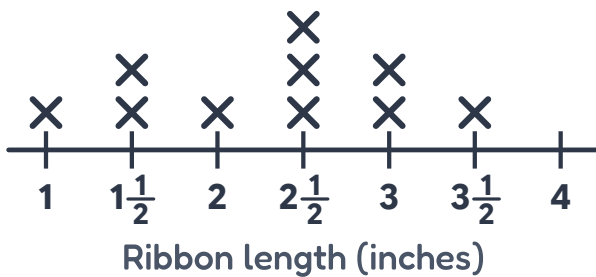
7. How long is the paper clip to the nearest quarter inch?



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

Lesson 12.6 · Half and quarter inches

8. How many ribbons are longer than 2 inches?



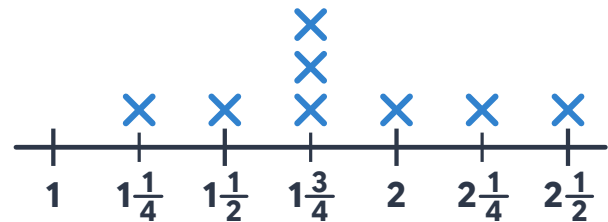
6 ribbons

Lesson 12.7 · Line plots

9. Make a line plot of the lengths.

Stick Lengths (inches)

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



Lesson 12.7 · Line plots

10. Tally the answers. Write each frequency and the total.

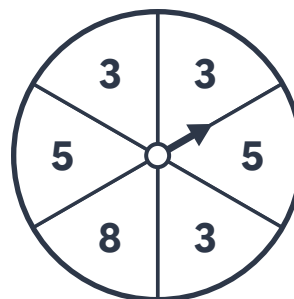
Which animal do you like best?



	Tally	Frequency
		6
		4
		5
		3
Total		18

Lesson 12.8 · Surveys and frequency tables

11. Spin the spinner once. List every possible outcome.



Outcomes:

3, 5, 8

Lesson 12.9 · Possible outcomes

Data and Line Plots

Unit Test, Form B (page 1 of 2)

Score _____ / 11

1. Use the key to write how many.

Favorite Sport

Soccer	   	40
Swimming	  	25
Tennis	 	15
Running	  	30

Key:  = 10 votes  = 5 votes

Lesson 12.1 · Read picture graphs

2. Draw pictures for each number.

Books Read

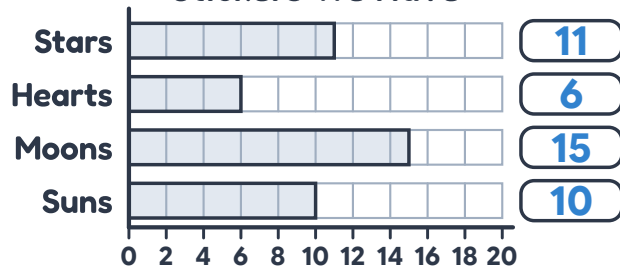
Ana	     	9
Ben	    	6
Cam	    	3
Dee	    	8

Key:  = 2 books  = 1 book

Lesson 12.2 · Make picture graphs

3. Write how many for each bar.

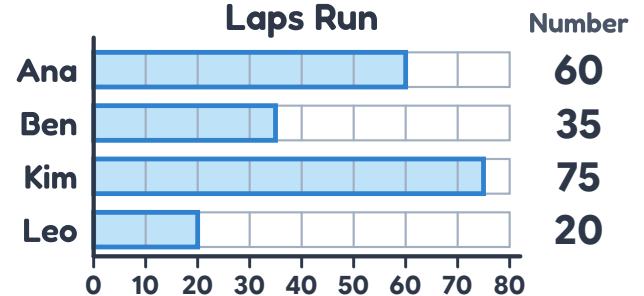
Stickers We Have



Lesson 12.3 · Read scaled bar graphs

4. Draw a bar to show each number.

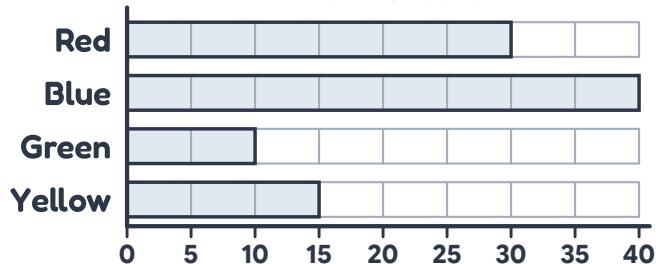
Laps Run



Lesson 12.4 · Make scaled bar graphs

5. Use the bar graph to answer a and b.

Favorite Color



a. How many more students chose blue than yellow?

25

b. How many more students chose blue and green together than red?

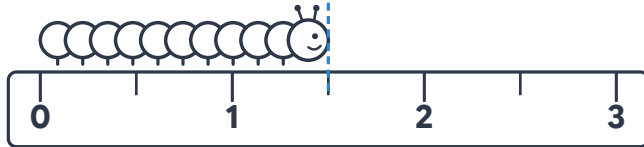
20

Lesson 12.5 · How many more or fewer

Data and Line Plots

Unit Test, Form B (page 2 of 2)

6. How long is the caterpillar to the nearest half inch?



$1\frac{1}{2}$ inches

Lesson 12.6 · Half and quarter inches

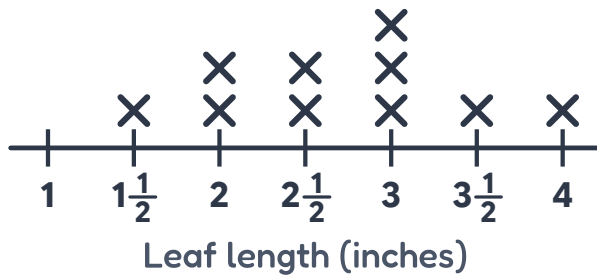
7. How long is the crayon to the nearest quarter inch?



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

Lesson 12.6 · Half and quarter inches

8. How many leaves are longer than 3 inches?



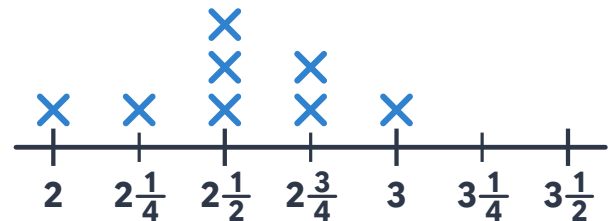
2 leaves

Lesson 12.7 · Line plots

9. Make a line plot of the lengths.

Shell Lengths (inches)

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



Lesson 12.7 · Line plots

10. Tally the answers. Write each frequency and the total.

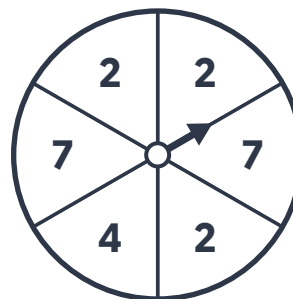
Which fruit do you like best?



	Tally	Frequency
		6
		4
		3
		5
Total		18

Lesson 12.8 · Surveys and frequency tables

11. Spin the spinner once. List every possible outcome.



Outcomes:

2, 4, 7

Lesson 12.9 · Possible outcomes