

Data and Probability

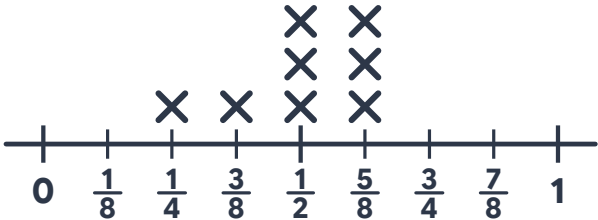
Unit Review (page 1 of 2)

1. Write the missing labels. Then plot the lengths.

Rocks (inches)	$2\frac{1}{2}$	$2\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$
	$2\frac{5}{8}$	$2\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$



2. Answer in simplest form.



Soup in 8 bowls (cups)

- a. How much soup in all? _____ cups
- b. Share all the soup equally. How much is in each bowl? _____ cups
- c. How much more is in the fullest bowl than in the emptiest? _____ cups

3. Circle the question that needs data and how to collect it.

- How many dogs visit the park today?
- What time does the park open?

observe survey experiment

4. Find the mean.

Tickets sold by 6 students:

15, 32, 24, 19, 27, 33

Mean _____ tickets

5. Find the median, mode and range. Then circle one.

Minutes 7 students waited for the bus:
7, 33, 5, 9, 3, 5, 8 Mean: 10

Median _____ Mode _____ Range _____

Which tells the typical wait better?
mean median

6. Make a stem-and-leaf plot. Then fill in the frequency table.

Laps run by 9 students:

23, 41, 35, 28, 44, 32, 36, 38, 41

Stem	Leaves in order
2	
3	
4	

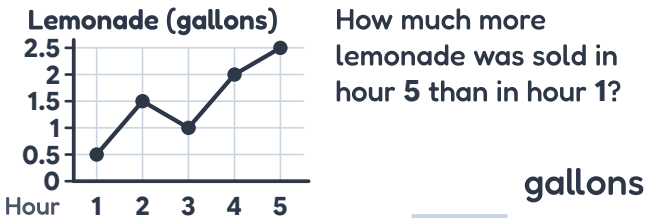
Laps	Frequency
20 to 29	
30 to 39	
40 to 49	

Key: 3 | 2 means 32

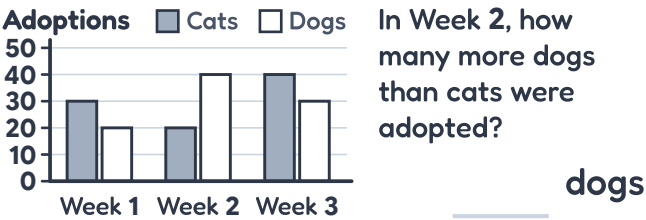
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Unit Review (page 2 of 2)

7. Use the line graph.



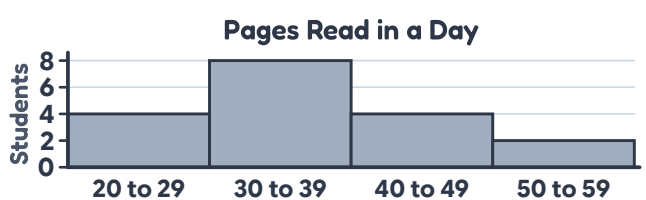
8. Use the double bar graph.



9. Plot the pairs. Circle the trend.

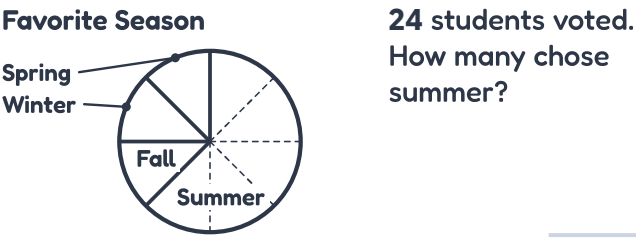


10. Use the histogram.



How many students read 40 pages or more?

11. Use the circle graph.



12. Pick one without looking. Write each probability as a fraction.

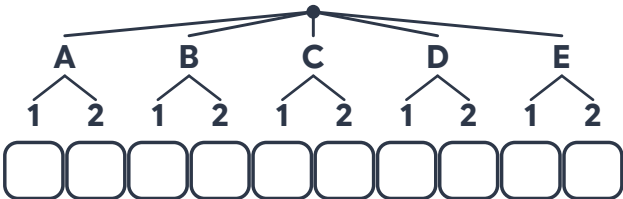
(W)(P)(W)(P)(W)(W)(P)(W)(P) P = purple, W = white

a. a white marble _____

b. a red marble _____

c. a purple or white marble _____

13. Write each outcome of the tree.



14. Multiply to find how many.

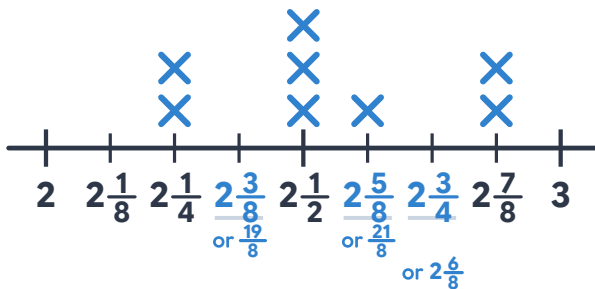
A sundae is one of 5 flavors and one of 9 toppings. How many different sundaes?

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Unit Review (page 1 of 2)

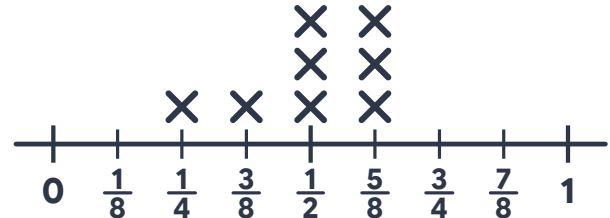
1. Write the missing labels. Then plot the lengths.

Rocks (inches)	$2\frac{1}{2}$	$2\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$
	$2\frac{5}{8}$	$2\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$



Lesson 15.1 · Make a line plot in eighths

2. Answer in simplest form.



Soup in 8 bowls (cups)

- a. How much soup in all? 4 cups
- b. Share all the soup equally. How much is in each bowl? $\frac{1}{2}$ cups
- c. How much more is in the fullest bowl than in the emptiest? $\frac{3}{8}$ cups

Lesson 15.2 · Solve problems with a line plot

3. Circle the question that needs data and how to collect it.

How many dogs visit the park today?

What time does the park open?

observe

survey

experiment

Lesson 15.3 · Plan how to collect data

4. Find the mean.

Tickets sold by 6 students:

15, 32, 24, 19, 27, 33

Mean 25 tickets

Lesson 15.4 · The mean

5. Find the median, mode and range. Then circle one.

Minutes 7 students waited for the bus:

7, 33, 5, 9, 3, 5, 8

Mean: 10

Median 7 Mode 5 Range 30

Which tells the typical wait better?

mean

median

Lesson 15.5 · Median, mode and range

6. Make a stem-and-leaf plot. Then fill in the frequency table.

Laps run by 9 students:

23, 41, 35, 28, 44, 32, 36, 38, 41

Stem	Leaves in order
2	3 8
3	2 5 6 8
4	1 1 4

Laps	Frequency
20 to 29	2
30 to 39	4
40 to 49	3

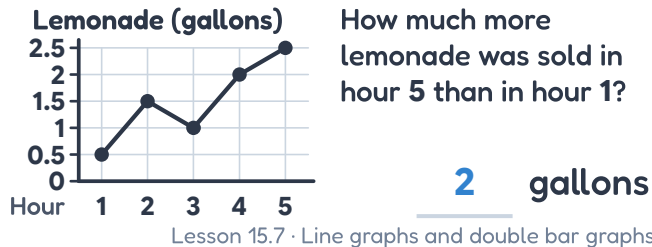
Key: 3 | 2 means 32

Lesson 15.6 · Stem-and-leaf plots and frequency tables

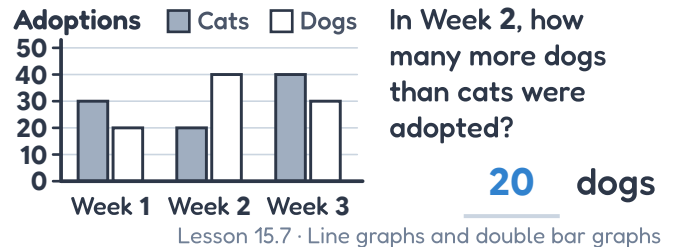
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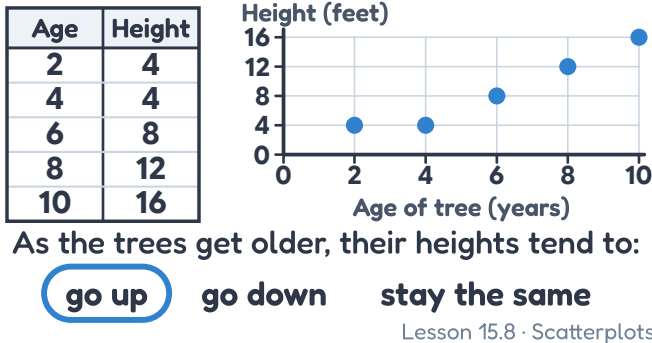
7. Use the line graph.



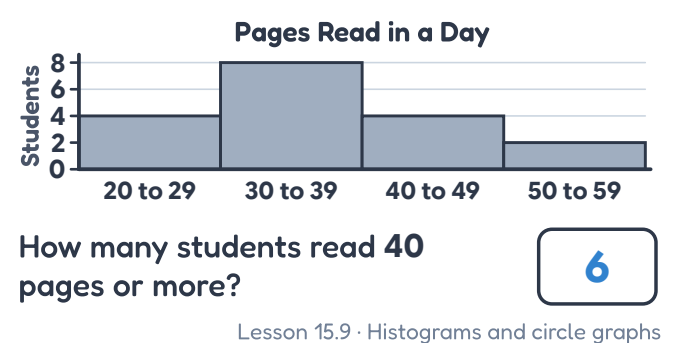
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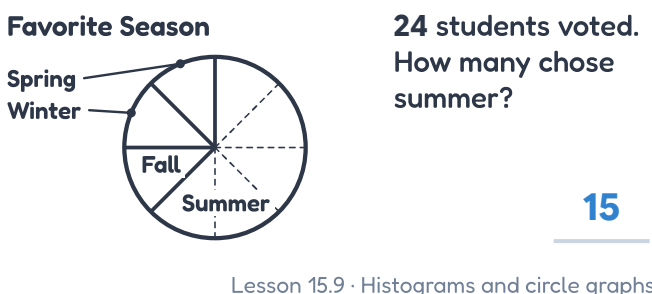
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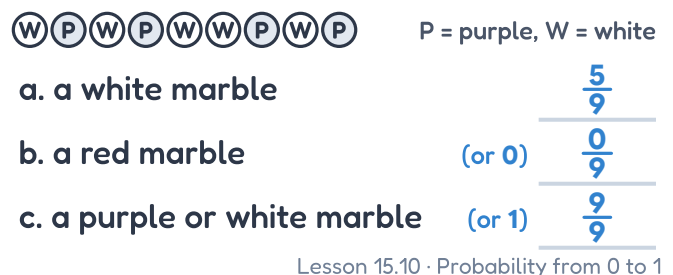
10. Use the histogram.



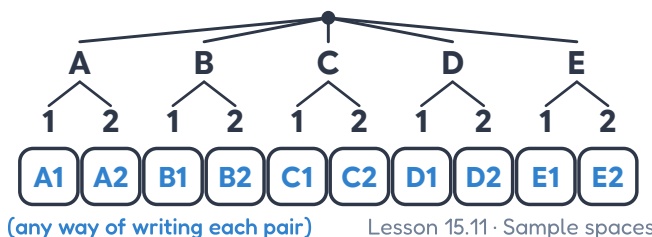
11. Use the circle graph.



12. Pick one without looking. Write each probability as a fraction.



13. Write each outcome of the tree.



14. Multiply to find how many.

A sundae is one of 5 flavors and one of 9 toppings. How many different sundaes?

45

Lesson 15.11 · Sample spaces