

Word Problems

Boots spent $4\frac{8}{9}$ hours painting on Sunday. On Friday he spent another $3\frac{5}{6}$ hours painting. What is the combined length of time he spent painting?

Marina swam $8\frac{3}{7}$ miles on Saturday and $7\frac{4}{6}$ miles on Wednesday. What is the difference between the two distances?

Walter volunteered for a service trip to the state park to remove invasive species. There were 384 volunteers total. 6 volunteers drove themselves, but the rest came on 9 buses. All 9 buses were filled. How many volunteers were on each bus?

Stevie had one hundred sixty-eight dollars to spend on a hockey stick. After buying the hockey stick they had twelve dollars and ninety-four cents left. How much did the hockey stick cost?

Boots went to an opening at an art gallery. He brought all of his art savings to purchase a painting. The painting he bought cost \$1,128. The gallery gave him \$4.91 in change. How much money did Boots originally have in his art savings?



Reading for Information

Read the paragraphs and mark your answers to the questions that follow.

In the United States, there are three branches of government. These were created to avoid the risk of one person or group gaining too much power. The branches of government are the executive branch, the legislative branch, and the judicial branch.

The executive branch is headed by the President. The President carries out federal laws and recommends new ones, directs national defense and foreign policy, and performs ceremonial duties.

The legislative branch is headed by Congress, which includes the House of Representatives and the Senate. The main task of these two bodies is to make the laws. Its powers include passing laws, originating spending bills, impeaching officials, and approving treaties.

The judicial branch is headed by the Supreme Court. Its powers include interpreting the Constitution, reviewing laws, and deciding cases involving states' rights.

What is the main idea of this article?

- A. The executive branch is headed by the president.
- B. The judicial branch is headed by the Supreme Court.
- C. There are three branches of government in the United States.

Which of the following is a duty of the President?

- A. directing national defense
- B. originating spending bills
- C. deciding cases involving states' rights

Which branch approves treaties?

- A. executive branch
- B. legislative branch
- C. judicial branch

Which branch is headed by Congress?

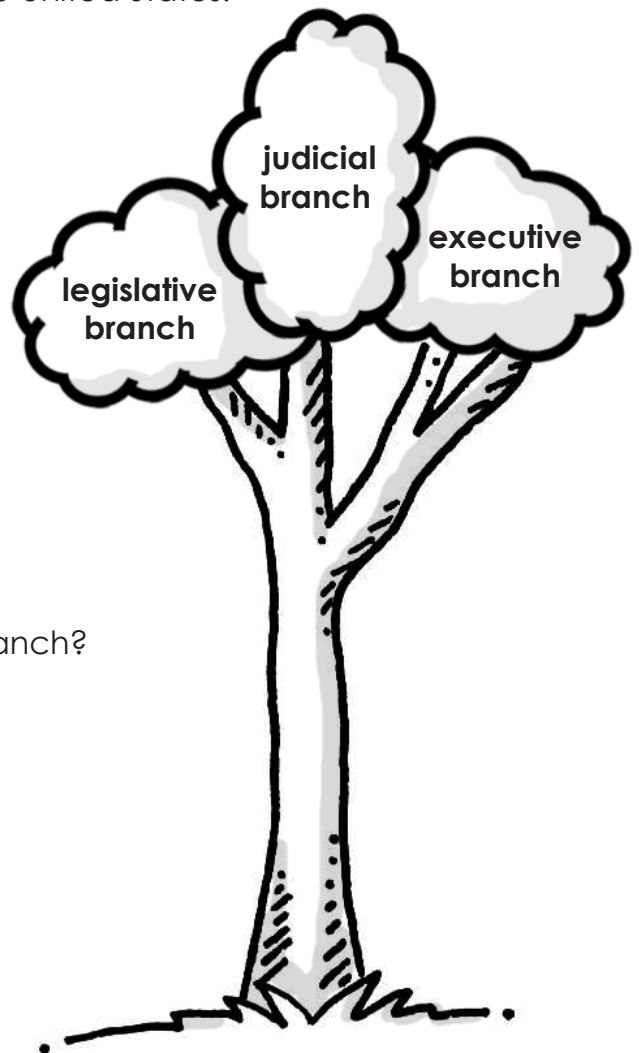
- A. executive branch
- B. legislative branch
- C. judicial branch

Which of the following is not a duty of the judicial branch?

- A. interpret the constitution
- B. review laws
- C. pass laws

Which branch is headed by the Supreme Court?

- A. executive branch
- B. legislative branch
- C. judicial branch



Evaluating Data

Walter interviewed his neighbors to see which natural wonder from around the world they would most like to see. He sorted their answers and created the tally chart below.

Natural Wonder	Votes
Victoria Falls	
Grand Canyon	
Mount Everest	
Great Barrier Reef	
Paricutin Volcano	
Harbor of Rio de Janeiro	
Northern Lights	

What fraction of neighbors chose Paricutin Volcano? Simplify your answer. _____

If half of the neighbors that chose Victoria Falls changed their votes to the Great Barrier Reef, what fraction of neighbors will have chosen the Great Barrier Reef? Simplify your answer. _____

How many neighbors did Walter ask total? _____

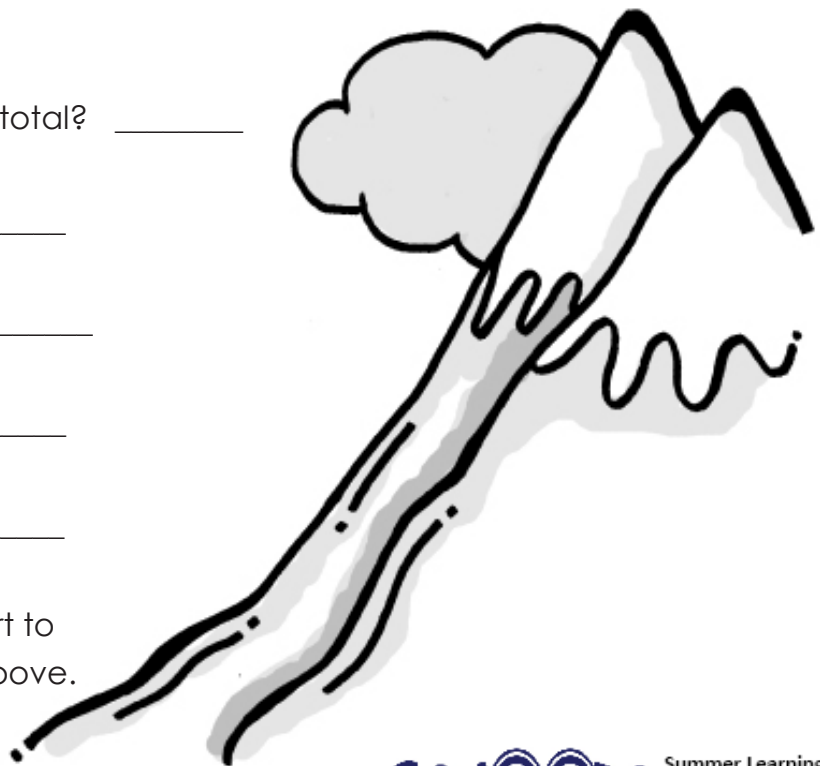
What is the range of the data? _____

What is the median of the data? _____

What is the mode of the data? _____

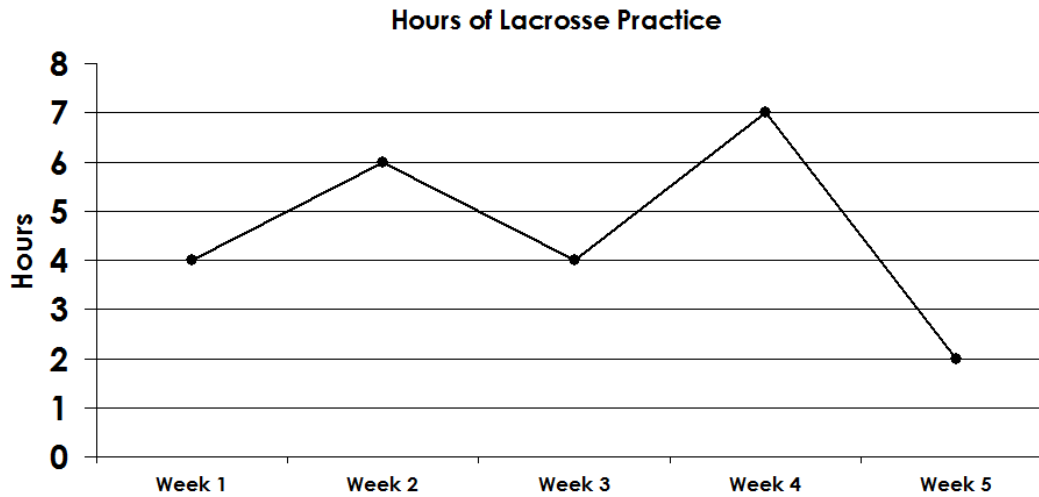
What is the mean of the data? _____

On the next page, create a pie chart to represent the data from the table above.



Graphs

Walter is on a lacrosse team. He graphed the number of hours spent practicing with the team over the last five weeks. This is his graph.



Use Walter's line graph to complete the table below and answer the questions.

Time Practicing Lacrosse	
Week	Hours
1	
2	
3	
4	
5	

What is the range of the data? _____

What is the median of the data? _____

What is the mode of the data? _____

What is the mean of the data? _____

If Walter got the flu in week 3 and missed all the practices that week, what fraction of the total hours of practice would he have missed?

Convert this fraction to a decimal. Round your answer to the nearest tenth.

Convert this decimal to a percentage. _____



Reading for Information

Read the paragraph and mark your answers to the questions that follow.

Saturn is the sixth planet from the Sun and it is the second largest planet in the solar system. Saturn is classified as a gas giant because it is so large and is made up mostly of gases. The inside of Saturn is probably a core of iron, nickel, silicon and oxygen compounds, surrounded by a deep layer of metallic hydrogen, then a layer of liquid hydrogen and liquid helium and finally, an outer gaseous layer. Saturn has 62 moons orbiting the planet. The largest moon is called Titan and is bigger than the planet Mercury. Around Saturn there is a very large system of rings, made of ice, rocks and dust. In the time it takes Saturn to complete one orbit of the Sun, or one Saturn year, the Earth has orbited the Sun about 30 times, or 30 years on Earth.

What is the author's purpose for writing this paragraph?

- A. to tell a story about the solar system
- B. to give factual information about Saturn
- C. to teach us everything there is to know about Saturn's rings

How big is Saturn?

- A. It is the largest planet.
- B. It is the second largest planet.
- C. It is the smallest planet.

What is Saturn mostly made up of?

- A. ice
- B. rocks
- C. gases

Which of the following is probably not inside of Saturn's core?

- A. copper
- B. iron
- C. nickel

What is the name of Saturn's largest moon?

- A. Orion
- B. Medusa
- C. Titan

How many moons does Saturn have?

- A. 52
- B. 62
- C. 72

How many Earth years equals one Saturn year?

- A. 30
- B. 40
- C. 62

