

NTI-Snow Day Packet-Day 1-Math

1. Adam sells nachos at ball games. He sold 52 nachos in the first half. He sold 49 in the second half. He had 34 left after the game. How many nachos did Adam have to start?

- a. 135 nachos b. 134 nachos
c. 101 nachos d. 83 nachos

2. Beth bought a hotdog at the Winter Festival that cost \$1.25. Ben bought a double cheeseburger for \$2.50. How much less did the hotdog cost than the double cheeseburger?

- a. \$3.75 b. \$2.25
c. \$2.00 d. \$1.25

3. A summer camp had a total of 750 campers. Of that number, 386 were girls. How many were boys?

- a. 1136 b. 436
c. 364 d. 215

4. The table shows the number of students at two schools for two years. Each school increased by 100 from last year to this year. How many students were at both schools together this year?

- a. 521 students b. 719 students
c. 1,040 students d. 1,240 students

School	Students Last Year	Students This Year
Creekwood	421	
Riverview	619	

5. Using the Schools chart in number 4, about how many more students did Riverview have than Creekwood?

- a. 400 students b. 300 students
c. 200 students d. 100 students

6. Dad bought 4 bags of candy. Each bag had 10 pieces of candy in all. Which number sentence best represents how Dad could find the total number of candy?

- a. $4+4+4+4$ b. $4 + 10$
c. $10 - 4$ d. 4×10

7. What is the sixth number in this pattern?
4, 8, 12, 16, _____, _____, _____

- a. 3 b. 24 c. 27 d. 30

8. The store stocked 289 sleds. To the nearest ten, how many sleds did the store have?

- a. about 200 b. about 280
c. about 290 d. about 300

9. Which number belongs in the box to make a true number sentence?

$$(2 \times 3) \times 4 = 2 \times (3 \times \square)$$

- a. 2 b. 3 c. 4 d. 6

10. All of the following equations are true except which one?

- a. $2 \times 3 = 6 \times 1$ b. $2 \times 3 = 3 \times 2$
c. $3 \times 2 = 6 \times 1$ d. $3 \times 2 = 6 \times 0$

Watching the Weather

Do you know what the weather will be tomorrow? A weather report can tell you. But what will the weather be like in ten years? Or 20 years? Or 100 years?

No one knows for sure. But some scientists say that our long-range weather outlook isn't good.

These scientists say the summers will be hotter. They say that warmer, wetter winters are on the way. Severe droughts, floods, wildfires, and storms are also possible.

What's the cause of all those wacky weather changes? Experts say that humans are.

Warming the Globe

Some weather changes are due to global warming. Global warming happens when gases in the air trap the sun's energy. That energy heats Earth. Without the gases, the energy would escape into space.

Some global warming is good. Without it, Earth would be too cold to live on.

For years, though, humans have created lots of air pollution. The pollution traps more of the sun's heat. In turn, Earth has grown warmer, experts say. This could lead to bad weather.

Melting the Ice

There are some signs of global warming. One of the signs is happening in the coldest parts of the world. Near the North and South poles, vast ice sheets are breaking up.

Earth's glaciers (GLAY-shers) are also melting. A glacier is a huge mass of ice that slowly moves. Experts say some glaciers may vanish by the year 2100.

A Rising Tide

As the ice melts, ocean levels rise. Experts say that levels have risen 4 to 10 inches in the past 100 years. Levels could rise 3 feet in the next 100 years! High ocean levels might lead to floods along U.S. coasts. Some coastal areas might disappear under water.

That change might also bring more storms. Hurricanes are storms that create high wind and rainfall. They are strongest over water. Higher sea levels might lead to stronger hurricanes on U.S. shores.

Drying Out

In some areas, though, global warming might lead to drier weather. Dry weather often leads to droughts. A drought is a long period of very dry weather.

Droughts hit parts of the country this year. If experts are right, global warming could cause less rain to fall in the Midwest. This would be hard on plant life and people.

Droughts kill off crops. And dried-out plants and trees could lead to wildfires.

What's the Answer?

Scientists say that cutting down on air pollution will slow global warming. One way to lower air pollution is to drive less. Cars cause a lot of pollution. People also need to find cleaner ways to make electricity.

Experts aren't sure how global warming will change the weather. But they agree that something must be done to stop global warming. The life of future generations depends on it.

Watching the Weather

1. According to the passage, what is one negative effect of droughts?
 - a. wildfires
 - b. storms
 - c. pollution
 - d. floods

2. In the passage, the author describes the problem of global warming. What solution does the author propose for this problem?
 - a. The author proposes melting the glaciers.
 - b. The author proposes cooling off the Earth.
 - c. The author proposes cutting back on air pollution.
 - d. The author proposes moving out of some coastal areas.

3. The passage suggests that
 - a. scientists can definitely know what the weather will be like in 10 years
 - b. people will drive their cars more in the future and cause more air pollution
 - c. there will be big problems in the future if global warming is not stopped
 - d. the droughts in the Midwest might not be difficult for people

4. Read the following sentences and answer the question: "Those scientists say the summers will be hotter. They say that warmer, wetter winters are on the way. Severe droughts, floods, wildfires, and storms are also possible. What's the cause of all those **wacky** weather changes?"

What does the word wacky mean?

- a. hot
 - b. crazy
 - c. rainy
 - d. melting
5. What would be another good title for this passage?
- a. Weather Problems in the Future
 - b. How to Predict the Weather
 - c. The Weather and You
 - d. Whether the Weather is Warm or Hot
6. Which of these is a way humans have caused weather changes?
- a. Humans have caused Earth's weather changes because scientists are studying the weather.
 - b. Humans have caused Earth's weather changes by polluting the air.
 - c. Humans have caused Earth's weather changes by finding cleaner ways to make electricity.
 - d. Humans have caused Earth's weather changes by causing wildfires and droughts.
7. What signs of global warming might a person in the Midwest be most concerned about?
- a. melting glaciers
 - b. rising ocean levels
 - c. less rainfall
 - d. more hurricanes

8. What is the purpose of (GLAY-shers) after the word glacier?
- it shows how to spell the word
 - it gives the meaning of the word
 - it gives extra information about glaciers
 - it shows how to pronounce the word
9. Which of these statements would the author of this article most likely agree with?
- People should not be concerned with changes in the weather.
 - The rising temperatures and droughts will be helpful to earth.
 - People should find ways to try to stop global warming.
 - There is nothing people can do to stop global warming.
10. Under which heading would this sentence most likely belong?
- " Arctic temperatures are rising twice as fast as anywhere on Earth."
- Melting the Ice
 - Drying Out
 - What's the Answer
 - A Rising Tide