

WRMS



7th Grade

AMI Packet

DAY FOUR

Name _____

- 31** According to a weather report, there is a 5% chance of snow and a 100% chance of freezing temperatures in the mountains tomorrow.

Part A

Which word *best* describes the likelihood of snow in the mountains tomorrow?

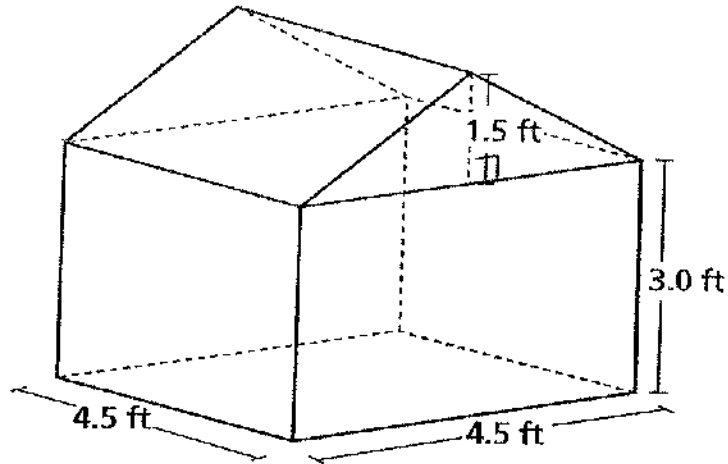
- A** unlikely
- B** likely
- C** certain
- D** impossible

Part B

Which word *best* describes the likelihood of freezing temperatures in the mountains tomorrow?

- A** unlikely
- B** likely
- C** certain
- D** impossible

- 37 The diagram below shows a doghouse that Calvin built.



What is the volume of the doghouse?

- A 75.9375 ft³
- B 60.75 ft³
- C 30.375 ft³
- D 15.1875 ft³

38

Part A

Select three angle measures that can represent the three angles of a triangle. Write the measures in Box A.

100° 80° 30° 90° 70° 10°

Box A: The measures below can represent the three angles of a triangle.

- 8 On a road trip, Maura drove at a speed of 60 miles per hour for the first two hours. She then increased her speed by 25%.

Part A

How fast was Maura driving after she increased her speed?

Show your work.

Answer _____ miles per hour

Part B

Suppose that Maura continues to drive at her increased speed. Write an equation to find the additional distance, d , in miles that Maura will travel if she drives at that speed for x hours.

Equation _____

Part C

Suppose Maura had started out driving at the increased speed instead of at 60 miles per hour. How far would she have traveled after driving for 5 hours at this higher speed?

Show your work.

Answer _____ miles

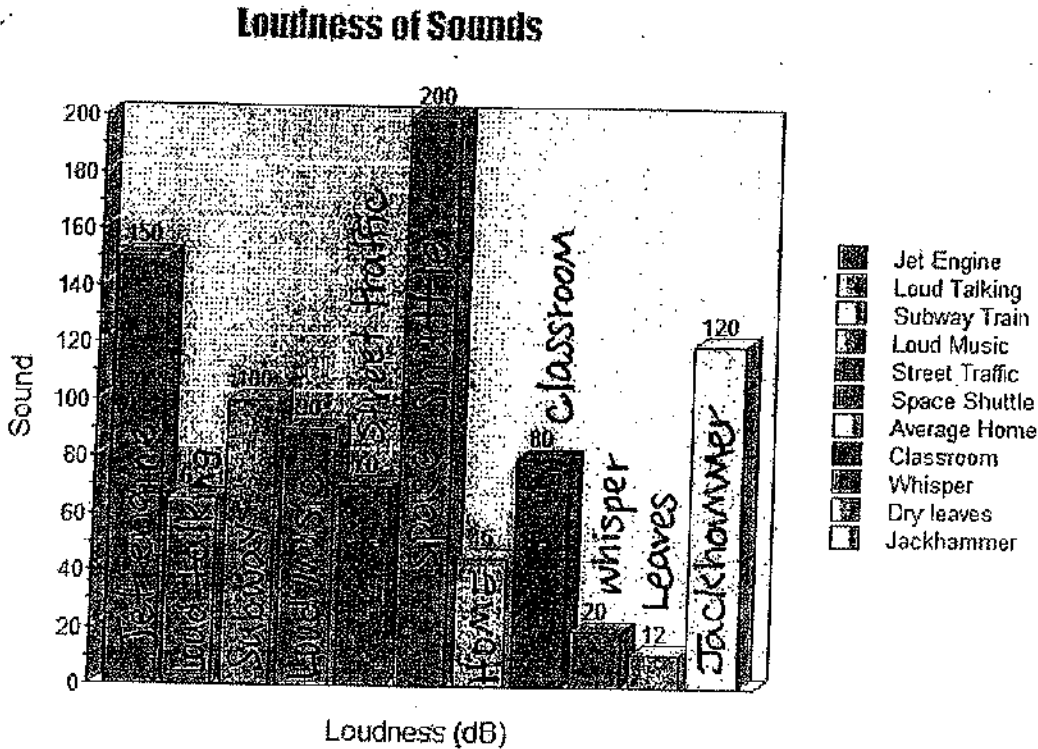
Day 4

Name _____

Sounds

Every day, we experience sound in our environment, such as the sounds from television and radio, household appliances, and traffic. Normally, these sounds are at safe levels that don't damage our hearing. But sounds can be harmful when they are too loud, even for a brief time, or when they are both loud and long-lasting. These sounds can damage sensitive structures in the inner ear and cause noise-induced hearing loss.

Jordan decided to research a few sounds he had heard to determine how loud they were.
(graph 1)



1. About how loud is a jet engine? _____
2. About how loud is a subway train? _____
3. How much louder is a jet engine than a subway train? _____
4. How many sounds did Jordan observe? _____
5. What is the quietest sound he listened to? _____

When he was researching, he learned that dB stands for decibels and measures the loudness of sound. The average human can hear anything above 0 dB. Hearing damage begins to occur at 85 dB. The louder the sound, the faster the hearing damage.

6. Based on the passage and graph, which of the sounds on this graph can cause damage to hearing if you are exposed to the sound for a period of time? (There will be more than one answer.)

7. Which sounds are louder than street traffic but quieter than a jet engine?

8. Based on the graph, which sounds have a loudness of about 120 decibels? _____

Investigation 1

Jordan decided to do a few experiments on sound so he could learn more. Jordan wanted to test the loudness of his refrigerator, his brother talking, the traffic from his street, his mp3 player, and the house alarm siren on his security system. He knew his distance from the source of the sound and the length of time he was exposed to the sound were important factors in getting accurate results. Jordan got a decibel meter from his teacher. He used a meter stick to make sure he was the same distance from the sound each time he measured the loudness of the sounds of his items. He decided to measure 2 meters from the edge of the object to the decibel meter.

Investigation 1 Table 1

Sound	Decibels
refrigerator	45
brother talking	60
traffic from street	85
mp3 player on maximum volume	105
security system alarm at house	120

In a second round of experiments, he decided he would try covering the decibel meter with ear muffs like he would cover his own ears to see if that made a difference on the loudness of the sounds he heard.

Investigation 2 Table 2

Sound	Decibels
refrigerator	35
brother talking	50
traffic from street	75
mp3 player on maximum volume	95
security system alarm at house	110

9. How was Jordan's experiment different in the second investigation than in the first investigation?

10. According to the graph (graph 1) and Investigation table 1, which of the items in Jordan's first investigation had the closest decibel measurement to the subway train? _____

11. According to the text and investigation table 1, Which items from Jordan's 1st investigation could cause hearing damage or loss?

M12. Compare investigation table one and investigation table 2 to explain what adding the ear muffs to the decibel meter did to Jordan's results? (Include 2 pieces of evidence)

Writing Alternative Instruction: Day 4

Directions:

Read the paragraph at the bottom of Section A and write an appropriate topic sentence above it.

Example:

Paragraph: Some students demonstrated science projects they'd worked on all year long. Other students gave readers theater productions of favorite books. One group of students read their own short stories aloud. Some kids who'd done a community history project showed their videos of local historical sites.

Topic sentence: To share their best work with other classrooms, students showed examples of what they had accomplished.

Then, in Section B, choose three subjects from the box and write a topic sentence for a paragraph about each subject.

Example: Our school has facilities for kids who are interested in different sports.

Expository Writing

Name _____

Date _____

Main Idea: WRITE A TOPIC SENTENCE

A. Write a topic sentence for the paragraph below.

For example, we have an outdoor track for sprinters and a playing field adaptable to soccer, baseball, or football. For kids turned on to archery, we have a field set aside for that. There's also a putting green for golfers.

B. Choose three subjects from the box below and circle them. Write a topic sentence that could be a snappy, attention-grabbing lead for a paragraph about each subject.

Why Lots of TV Shows Fail

Impossible Assignments

School Lunch Problems

The Ideal Teacher

School Fads

Peculiar Pets

My Topic Sentences:

1. _____

2. _____

3. _____

for CHAPTER 10: PARTS OF SPEECH OVERVIEW (pages 272-28)

Helping Verbs and Main Verbs

Helping verbs help the main verb express action or a state of being. Together a main verb and at least one helping verb (also called an auxiliary verb) make up a verb phrase.

EXAMPLES I have read many of Ernesto Galarza's poems.

Have you read any of his poems?

EXERCISE In each of the following sentences, draw one line under the helping verb(s) and two lines under the main verb.

Example 1. Ernesto Galarza was born in Mexico.

1. When did the Galarza family move to Sacramento, California?
2. Other Mexican families had also immigrated to the United States.
3. Many of them had come to the United States for economic reasons.
4. In what year did Galarza publish his first book?
5. Many people have been enjoying his works for years.
6. Many are reading his works in the original Spanish.
7. Galarza has written about the struggles of farmworkers.
8. You have probably read some of his poetry.
9. Did you read the poetry in Spanish or in English?
10. You may like his poem about Mother Nature.
11. It is translated as "Copy from an Old Master."
12. Most young readers do enjoy his poem about the traffic light.
13. Will we be reading any of his poems in class this year?
14. Your teacher may recommend his book *Short Poems for Youngsters*.
15. This collection was published in 1971.
16. You will learn valuable lessons from these poems.
17. Galarza has been called the Father Goose of Mexican children.
18. Which poem should we read first?
19. Galarza's autobiographical work is titled *Barrio Boy*.
20. Does your literature book contain excerpts from *Barrio Boy*?

Linking Verbs

A **linking verb** connects the subject to a word or word group that identifies or describes the subject. The noun, pronoun, or adjective that is connected to the subject by a linking verb completes the meaning of the verb.

EXAMPLES Judy Blume **is** a writer. [Judy Blume = writer]
Her books **remain** popular among young readers. [popular books]

Some verbs may be used as linking verbs or as action verbs.

LINKING The room **smelled** smoky.

ACTION We **smelled** smoke in the room.

EXERCISE A In each of the following sentences, draw one line under the linking verb and two lines under the words that the verb connects.

Example 1. The pilot remained calm.

1. Beryl Markham was a famous pilot.
2. She stayed alert on many difficult and long flights.
3. Her accomplishments seem remarkable to many people.
4. Markham became the first woman to fly nonstop from England to America.
5. The task was difficult because of strong opposing winds.
6. A new club in 1929 was the Ninety-Nines.
7. Ninety-nine was the number of its original members.
8. Members were female pilots only.
9. The club remains active today.
10. Female pilots are more common now than many years ago.

EXERCISE B In each of the following sentences, identify the underlined verb by writing above it *LV* for *linking verb* or *AV* for *action verb*.

Examples 1. Mr. Singh ^{AV} looked in the cabinet for a serving dish.

2. The vegetable curry ^{LV} looked tasty.

11. Mr. Singh tasted the vegetable curry.
12. The stew tasted deliciously spicy.
13. Mr. Singh grew many of the vegetables in his backyard.
14. He grew fond of curry dishes when he lived in India.
15. Mr. Singh's recipe for vegetable curry remains his secret.

for CHAPTER 12: PARTS OF SPEECH OVERVIEW

Action Verbs

An action verb is a verb that expresses either physical or mental activity.

Example 1 Carlos **painted** this picture from a snapshot he had taken. (physical activities)
His friends **think** that he **should consider** a career in art. (mental activities)

EXERCISE A In each of the following sentences, underline the action verb.

Example 1. The tourists visited the large wildlife preserve.

1. Dmitri liked the cougar exhibit at the wildlife preserve.
2. A rescue team found two orphaned cougars in the mountains.
3. The team treated the cougars for injuries.
4. They brought the young cougars to the wildlife preserve.
5. The wildlife preserve staff members raised the cougars to adulthood.
6. They named the cougars Wolfgang and Julianna.
7. Next year the wildlife preserve will provide mates for the brother and sister pair.
8. The cougars enjoy healthy lives with good care.
9. Dmitri took a few photographs of the magnificent cats.
10. Months later, Dmitri often remembered the cougar pair.

EXERCISE B On the line provided, write an appropriate action verb to complete each sentence.

Example 1. Kim _____ *mowed* _____ the lawn to earn her allowance.

11. Steve _____ the new song on the radio.
12. A runner from Nigeria _____ the marathon this weekend.
13. Neither of the boys _____ the answer to the question.
14. The secretary _____ a bag lunch to work.
15. Another meteor _____ across the sky.

Theseus and the Minotaur

adapted from
a Greek myth



When King Minos's wife, Pasiphaë, bore a Minotaur, Minos knew he had to do something. What would people think if they saw that his baby had the head of a bull? To keep it hidden, he decided to put the Minotaur in a maze. An elaborate labyrinth, or maze, was built. Not only did it give the Minotaur room to run and play, but it was also so complex that he'd never be able to find his way out. When the Minotaur got older and more ferocious, King Minos found another use for the labyrinth. He would lock his enemies inside where they would eventually end up in the Minotaur's jaws.

All was well in Crete until Minos learned that his fully human son, Androgeus, was killed in Athens. Enraged, Minos called upon Zeus, the most powerful of all the gods, to help punish the Athenians. Zeus cursed Athens with earthquakes and famine. The Athenians, starving and shaken, promised they would do whatever Minos asked as long as they could have peace again. Minos demanded that they give him seven young men and seven young women every nine years. The Athenians grudgingly agreed, and every nine years, fourteen unlucky people were fed to the Minotaur by Minos.

Many years passed. Then Theseus, who was the son of the king of Athens, came to town. He had been separated from his father at birth, but when he learned who he really was, he made his way to Athens. Theseus couldn't ignore the misfortune of the families whose relatives were being sent to Crete. He decided to trade places with one of the young men, and he promised the others' families that everyone would return unharmed.

The ship reached Crete where Minos and his beautiful daughter Ariadne were waiting at the dock. At the sight of Theseus, Ariadne's knees buckled and her cheeks flushed. Before Theseus and the other Athenians entered the labyrinth, Ariadne secretly gave him string and a sword. He tied one end of the string to the entrance and made his way to the middle of the maze. The beast saw Theseus coming, roared, and ran straight for him. Theseus lifted his sword and slew the Minotaur.

When Ariadne saw Theseus flee from the maze, she grabbed his hand and ran with him and the others. Although they were nearly caught by the Cretan army, all of them made it safely to the ship. They set sail for Athens, thankful the Minotaur had been defeated at last.

51. What genre is this passage?
- A. myth
 - B. science fiction
 - C. folktale
 - D. historical fiction
52. Which event happens first?
- A. Androgeus dies in Athens.
 - B. Minos feeds fourteen young people to the Minotaur every nine years.
 - C. Minos traps the Minotaur in the maze.
 - D. Ariadne and Theseus sail to Athens.
53. Ariadne is important to the plot of the story because
- A. her death caused Minos to imprison the Minotaur.
 - B. she gave Theseus a string and a sword so he could defeat the Minotaur.
 - C. she warned Theseus not to try to avoid the Minotaur.
 - D. her beauty convinced Theseus that he needed to defeat the Minotaur to win her hand in marriage.
54. What is the resolution of "Theseus and the Minotaur?"
- A. Theseus encounters the Minotaur.
 - B. Ariadne gives Theseus tools he can use to defeat the Minotaur.
 - C. Ariadne and Theseus escape to Athens.
 - D. Theseus promises that all the Athenians will return from Minos's kingdom unharmed.