READ THE PASSAGE Ask yourself questions as you read the passage.

Dance Company on Wheels

Mary Verdi-Fletcher was born with spina bifida, a disease that causes weakness in the legs and spine. Undiscouraged, she was not about to be told what she could or could not do. She dreamed of dancing and was determined to make her dream a reality. While still young, Verdi-Fletcher—dancing in her wheelchair—entered a dance contest with a friend. They won first prize. She entered and won more contests, refusing to listen to people who said to her "You can't dance if you're in a wheelchair" or "Dancing in a chair is not really dancing."

However, Verdi-Fletcher was not satisfied with personal success alone. She wanted to make dance available to others with disabilities. In 1980, she founded a dance company called Dancing Wheels. Based in Cleveland, Ohio, Dancing Wheels performs all over the world. In productions like "The Snowman," sit-down (seated) dancers perform with stand-up (standing) dancers. Dazzling lighting designs, fanciful sets and props, melodious music, and festive costuming draw audience members into fairy tales and other stories.

In one show, a young stand-up dancer named Devin played "The Brother Who Cannot See" while a young sit-down dancer named Jenny (now an adult member of the company) performed the role of "The Sister Who Cannot Walk." It was a lovely way to express a theme Verdi-Fletcher has embodied all through her life: We all have disabilities. Some disabilities may be more visible, but hard work and dedication to our dreams can make the seemingly impossible become a reality.

STRATEGY PRACTICE Write one question you thought of while reading the passage. What is the answer?

_____

_____

SKILL PRACTICE Read each question. Fill in the bubble next to the correct answer.

1. The author wrote this passage mainly to _____.
   Ⓐ entertain with the story of "The Snowman"
   Ⓑ teach people how to dance in wheelchairs
   Ⓒ provide details about spina bifida
   Ⓓ persuade readers to believe in their dreams

2. The author quotes what people said to Mary Verdi-Fletcher to tell readers _____.
   Ⓐ that no one can dance in a wheelchair
   Ⓑ the wisdom of the people who are quoted
   Ⓒ that wheelchair dancing is not real dancing
   Ⓓ to ignore discouraging opinions

3. The main difference between Dancing Wheels and other dance companies is that most companies _____.
   Ⓐ present elaborate productions
   Ⓑ accompany dance with music
   Ⓒ have only stand-up dancers
   Ⓓ perform all over the world

4. The main theme of this passage is that _____.
   Ⓐ dancing is the best form of art
   Ⓑ with dedication dreams can become reality
   Ⓒ dancing is great exercise for children
   Ⓓ diseases can cause disabilities

Write the sentences correctly.

1. The aquarium has a newly exhibit who feature penguins.

   _____

2. Divya my best friend and I gone to the penguin display yesterday

   _____

Write the missing word.

3. The aquarium _____ wasn't cold, but the penguin area was chilly.

   it   its   itself

What does the underlined phrase mean?

4. We watched as the penguins swam <u>like torpedoes</u> through the water.

   _____

Day 2

Write the sentences correctly.

1. Ancient Egypt a richly and thriving Civilization depended on farming.

   _____

2. Farmers rised much animals, such as cattles, gooses, oxes, and pigs.

   _____

Write the missing words.

3. The crops that grew in the Nile Valley _____ Egypt's people.

   feeded and clothed   fed and clothed   feed and clothe

Add punctuation to the sentence.

4. They planted wheat flax and a variety of fruits and vegetables.

$10.9 - (5.7 + 3.2) =$ _____

Write the value of each place in the number 235,468.

tens _____

ones _____

ten thousands _____

hundred thousands _____

$\begin{array}{r} 11.3 \\ \times\ \ 3 \\ \hline \end{array}$ $\begin{array}{r} 113 \\ \times\ 0.3 \\ \hline \end{array}$

Write the rule for the pattern.

3   12   6   24   12   48   24

_____

If Zoe's mom is 35, and Zoe is 23 years younger, how old is Zoe?

_____

Day 2

$(849 - 1.5) \div (6.8 - 4.8) =$ _____

List all the factors of 32.

_____

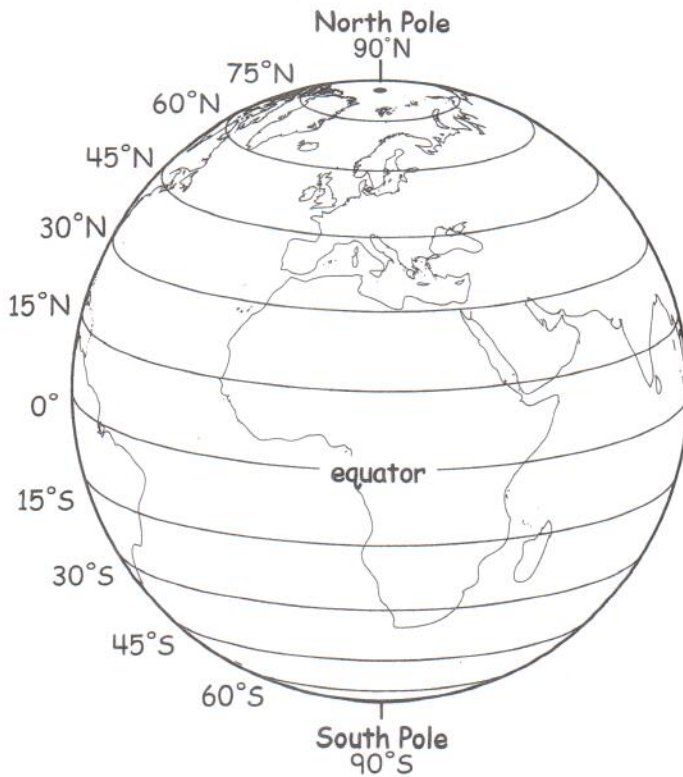$\begin{array}{r} 34,569,870 \\ -\ \ \ \ 123,456 \\ \hline \end{array}$

Raul is at the amusement park. The roller coaster costs $2.75 per ride, the Ferris wheel costs $1.50 per ride, and the rock wall costs $2.00 per climb. If Raul has $6.00, can he do all three?
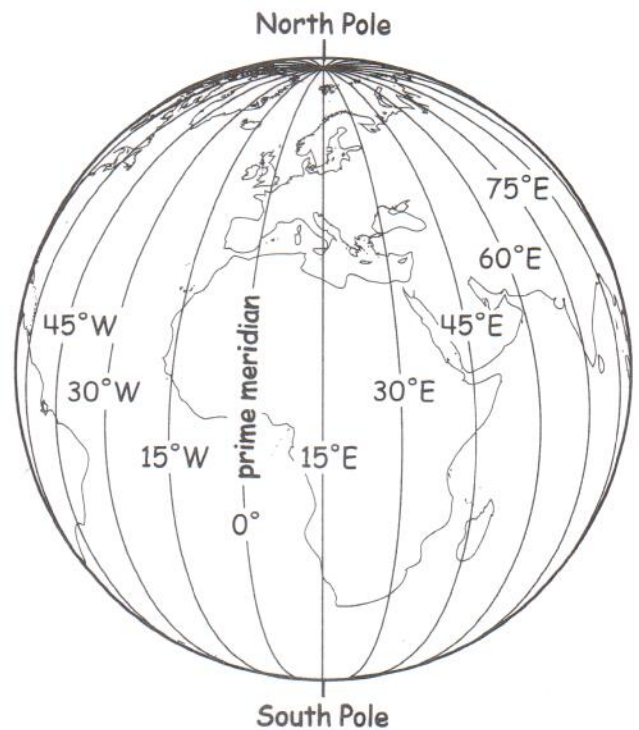
○ yes   ○ no

Explain why or why not.

_____

_____

Write the correct symbol in the circle.

● ● ●

0.25 ◯ 0.08

Parallels and Meridians

Parallels or Lines of Latitude

Parallels, or lines of latitude, measure the distances north or south of the equator.

Meridians or Lines of Longitude

Meridians, or lines of longitude, measure the distances east or west of the prime meridian.

Parallels and Meridians

Monday

1. Which imaginary line divides the Earth into south and north latitudes? What is its location?

   _____

2. Which imaginary line divides the Earth into east and west longitudes? What is its location?

   _____

Tuesday

1. What is another name for lines of latitude? Do these lines run in a north-south or east-west direction?

   _____

2. Write three facts about meridians.

   _____

   _____

   _____

Wednesday

1. Write this line of latitude in words—15°N. Name a continent on this parallel.

   _____

2. Write this line of longitude in words—15°E. Name a continent on this meridian.

   _____

Name _____

Weekly Question
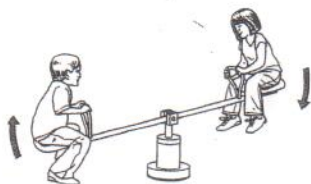
Day 2

How does a wheelbarrow make work easier?

The handles on a wheelbarrow are examples of a lever. Levers are commonly used to lift a load. A lever sits on a point called the **fulcrum**. The fulcrum is where the lever pivots, or moves. On the wheelbarrow, the fulcrum is the axle of the wheel. When you push down or pull up on the handle, it pivots, or moves, on the fulcrum to raise or lower the load. The positions of the fulcrum and the load change the lever's mechanical advantage and the direction of the force.

There are three kinds of levers, depending on the positions of the force, the fulcrum, and the load.

Vocabulary

fulcrum
FULL-krum
the point of support on which a lever pivots

When the fulcrum is between you and the load, pushing down will lift the load and lifting up will lower the load.

When the load is between you and the fulcrum, the load is easier to lift or lower, but the direction of the force does not change.

When you are between the load and the fulcrum, a small movement in force causes the load to move farther.

A. Write a sentence that explains how the lever in a wheelbarrow works.

_____

_____

B. Name four examples of levers that you have seen or used.

1. _____   3. _____

2. _____   4. _____

Name: _____

READ THE PASSAGE Ask yourself questions to make sure you understand what you read.

Canyon Country

Canyon Country, Utah. Sarah had wanted to hike there ever since she'd seen pictures of it. Finally, she'd talked her parents into camping there in their RV. But now it seemed all they did was eat, sleep, watch movies, and roast marshmallows. The marshmallows were fine, but while her parents slept in after staying up late to watch the latest Tom Cruise film, Sarah rose with the birds. One morning, she gazed around. Gorgeous! She wasn't about to miss another early morning hike; she'd have to go alone.

Sarah opened the RV door and called for her dog. "Kip!" The chocolate Lab ambled over to the steps. "Let's go hiking!" Kip whimpered and stared longingly at the RV door. "Cassie's not coming," Sarah explained, referring to her little Scottish terrier. "She's still sleeping with Mom and Dad. Besides, you're big, so you can frighten away wild critters."

The rocky trail spiraled through canyons, then up to an outcropping that intrigued Sarah. "Are those native ruins up there?" she wondered. The pair had climbed hardly a quarter of a mile when they stopped short. Some 50 yards ahead, a cougar stood in the middle of the trail. Kip trembled at Sarah's side. What to do? Make yourself look big! That's all she could remember from what she'd read in nature books.

Suddenly, Cassie appeared out of nowhere, barking her tiny head off. Whether the cougar was startled or just not hungry, Sarah didn't know. The cougar hurried up the cliff into a thicket of manzanita bushes.

"So I guess my parents are awake now," said Sarah, hugging Cassie as they followed the scent of coffee. "Glad you're up!" she said, arriving at camp. "Cassie scared away a cougar!"

EVALUATE YOUR USE How did asking questions before reading help you better understand the passage?

_____

_____

SKILL PRACTICE Read each question. Fill in the bubble next to the correct answer.

1. **What is the author's main purpose?**
   Ⓐ to entertain
   Ⓑ to express
   Ⓒ to inform
   Ⓓ to persuade

2. **How did Sarah's dogs react differently to the cougar?**
   Ⓐ Kip was scared; Cassie acted bravely.
   Ⓑ Kip frightened the cougar; Cassie made noise.
   Ⓒ Kip made himself look big; Cassie looked tiny.
   Ⓓ Kip startled the cougar; Cassie chased it up a cliff.

3. **What lesson does Sarah probably learn?**
   Ⓐ Nature is most beautiful at sunrise.
   Ⓑ You can accomplish a lot if you start early.
   Ⓒ It is important to be prepared for anything.
   Ⓓ Reality is not as good as what you expect.

4. **Which proverb is a theme of this passage?**
   Ⓐ Let sleeping dogs lie.
   Ⓑ Beauty is only skin deep.
   Ⓒ A bird in the hand is worth two in the bush.
   Ⓓ Don't judge a book by its cover.

Frida Kahlo and Diego Rivera

Mexico has produced many excellent artists, but two of its best known are Frida Kahlo and Diego Rivera. Interestingly, they were married to each other. Both were intensely tied to their Mexican heritage.

Diego Rivera painted pictures on canvases and murals on walls, so he can be called both a painter and a muralist. Many of his murals, boldly painted in earth colors, take up entire walls. Most show common people in everyday scenes—selling flowers on a sidewalk or working in a factory—but the common images carry powerful messages. Studying his paintings, you come away understanding the dignity of hard work, the daily life of native people, and the humble beauty of flowers. Rivera's paintings are personal because they represent the people and the culture around him—the culture of Mexico.

Frida Kahlo's paintings are likewise personal—perhaps more personal than those of Rivera because they reflect her inner world. "I paint self-portraits because I am the person I know best," she once said. Even though she was born into a wealthy family, Kahlo did not enjoy an easy life. As a child, she contracted polio. The disease shrank one leg and led to merciless teasing by schoolmates. When she was 18 years old, she was in a horrific bus accident. For the remainder of her life, Kahlo was in constant physical and emotional pain. She painted 55 self-portraits, the majority of them reflecting her pain.

Like his paintings, Rivera lived large and bold. Beside him, Kahlo looked tiny. Yet her presence, life, and paintings, like his, have always demanded attention.

STRATEGY PRACTICE   Write a question about information from the passage. Ask a partner to answer it.

_____

_____

SKILL PRACTICE   Read each question. Fill in the bubble next to the correct answer.

1. Frida Kahlo's paintings contrast with Diego Rivera's because they _____.
   Ⓐ are self-portraits
   Ⓑ tell about her marriage
   Ⓒ focus on the beauty of flowers
   Ⓓ do not reflect her Mexican identity

2. Which word from the passage signals that the couple's paintings are alike in some way?
   Ⓐ interestingly
   Ⓑ boldly
   Ⓒ likewise
   Ⓓ many

3. What is one theme of Kahlo's paintings?
   Ⓐ the beauty of ordinary people
   Ⓑ the complications of polio
   Ⓒ Mexico's wealthy class
   Ⓓ the pain she felt in body and soul

4. Which best represents the author's purpose?
   Ⓐ to give information about two famous painters
   Ⓑ to tell about how painters work
   Ⓒ to teach the importance of painting
   Ⓓ to persuade readers that one painter was more important than the other

READ THE PASSAGE   If something you read does not make sense to you, write a question about it.

Cultural Proverbs

Many of us grow up hearing sayings repeated over and over. These pieces of wisdom are passed down from one generation to the next in proverbs. Proverbs often use metaphors that apply to many situations, some of which are not literal. Variants of the same ideas appear in many cultures, using different metaphors. Benjamin Franklin collected American proverbs in his book *Poor Richard's Almanack*. Here are some proverbs from two other cultures. How are they like sayings you have heard?

Italian Proverbs

- Don't say four if you don't have them in the sack.

- To each bird, his nest is beautiful.

- You can catch more flies with honey than with a barrel of vinegar.

- Fine words don't feed cats.

- Since the house is on fire, let us warm ourselves.

- Like father, like son.

Irish Proverbs

- A trout in the pot is better than a salmon in the sea.

- To the raven, her own chick is white.

- Soft words butter no parsnips, but they won't harden the heart of the cabbage, either.

- Mere words do not feed the friars.

- When the sky falls, we'll all catch larks.

- As the hound is, so will the pup be.

STRATEGY PRACTICE   Write one question you had while reading the passage. If you learned the answer, write it down.

_____

_____

SKILL PRACTICE   Read each question. Fill in the bubble next to the correct answer.

1. Which best represents another way to express the proverb "To each bird, his nest is beautiful"?
   - (A) Many hands make light work.
   - (B) Absence makes the heart grow fonder.
   - (C) Beauty is in the eye of the beholder.
   - (D) A watched pot never boils.

2. What is the meaning of the proverb "When the sky falls, we'll all catch larks"?
   - (A) There's a positive side to everything.
   - (B) Disaster is just around the corner.
   - (C) Bad things happen to everyone.
   - (D) Beware of falling birds.

3. The proverbs are arranged to _____.
   - (A) appear in order of length
   - (B) show similar proverbs from different cultures
   - (C) compare Italian people to Irish people
   - (D) show which proverbs are the oldest

4. What is the main purpose of the passage?
   - (A) to persuade people to read proverbs
   - (B) to inform people about wise sayings
   - (C) to entertain with humor
   - (D) to explain how proverbs are collected

Day 3

Write the sentences correctly.

1. Public libraries are very importantly to the residence of most communities

_____

2. Libraries offers books magazines and use of technology such as e-readers

_____

Write the missing word or words.

3. Library use is growing _____ many people find information online.

         even though   since   because   so that

What does the underlined phrase mean?

4. If you support your library, your library will support you!

_____

Day 4

Write the sentences correctly.

1. Curious and adventuric people started climbing Mountains in the 1700s

_____

2. Some of the first mountain climber were scientists that were doing research

_____

Write the missing word or words.

3. In the 1800s, mountain climbing _____ more of a sport.

         becomed   has become   became

Use context clues to figure out the meaning of the bold word. Write the meaning on the line.

4. Attempting to climb tall peaks tested a climber's skills and **mettle**.

_____

Read these expressions and their meanings.

run into	to meet someone when you didn't expect to
run out of	to use up
run through	to review or rehearse something

Which expression best completes each sentence?

1. Can we _____ that first song again?

2. I _____ Nicholas at the park and told him about the extra practice.

3. If you _____ milk, add it to the shopping list.

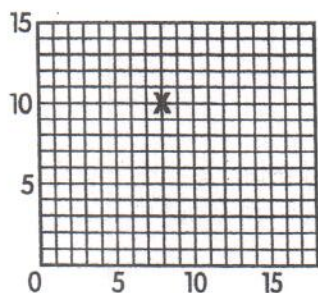**Write a paragraph using all three expressions from the box.**

4. _____

_____

_____

_____

_____

_____

Day 3

$\frac{1}{5} \times 6 =$ _____

$\frac{1}{8} + \frac{3}{4} + \frac{2}{3} =$ _____

Write the ordered pair for point **X** on the grid.

_____

What is the value of *n* in the equation?

$$n + 36 = 140 \qquad n = \underline{\hspace{2cm}}$$

Four friends want to share two large pizzas equally. Each pizza is cut into ten slices. How many slices will each person get?

_____

Show your work.
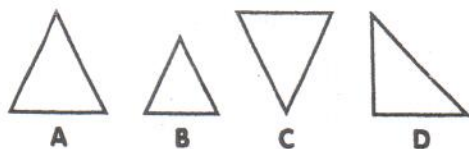
Day 4

$24 \times 0.4 =$ _____

$10\overline{)30} \qquad 10\overline{)3.0} \qquad 10\overline{)0.3}$

Which two figures are congruent?

A   B   C   D

_____ and _____

What is the area of a rectangle that measures 3 inches by 5 inches?

_____

Alex is putting away bowls in the school cafeteria. He must stack the bowls so they will all fit in the cupboard, but each stack can be only five bowls high. If Alex has 287 bowls to put away, what is the minimum number of stacks he will have to make?

_____

> ## Activity 1

Alan, Jeff, and Lucy all take their pets to the same vet. The pets are a dog, a cat, and a rabbit. The names of the pets are Blackie, Bandit, and Moe. Read the clues to determine the kind of pet each owner has and the name of the pet.

Mark the correct boxes on the grid to show your answers.

Clues

- Alan does not own the rabbit.

- Jeff owns either Blackie or Moe.

- Jeff owns the dog.

- The rabbit's name is Blackie.

	dog	cat	rabbit	Blackie	Bandit	Moe
Alan						
Jeff						
Lucy						

> ## Activity 2

Tina has fifteen pets! They include birds, cats, fish, and hamsters. She has twice as many hamsters as cats, and together, her pets have a total of forty legs.

1. How many of each kind of pet does Tina have?

_____ birds

_____ cats

_____ fish

_____ hamsters
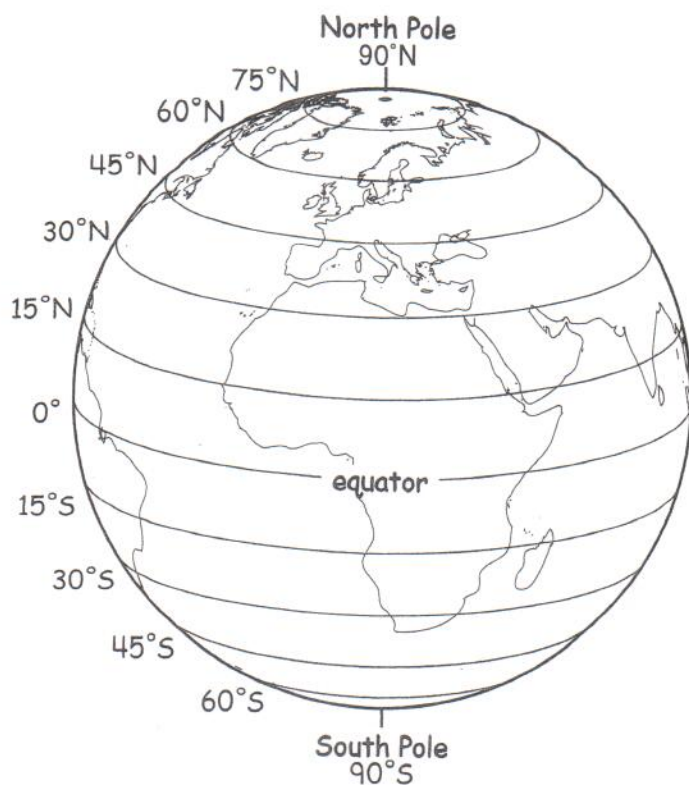
2. What percent of Tina's pets are cats? _____%

Work Space

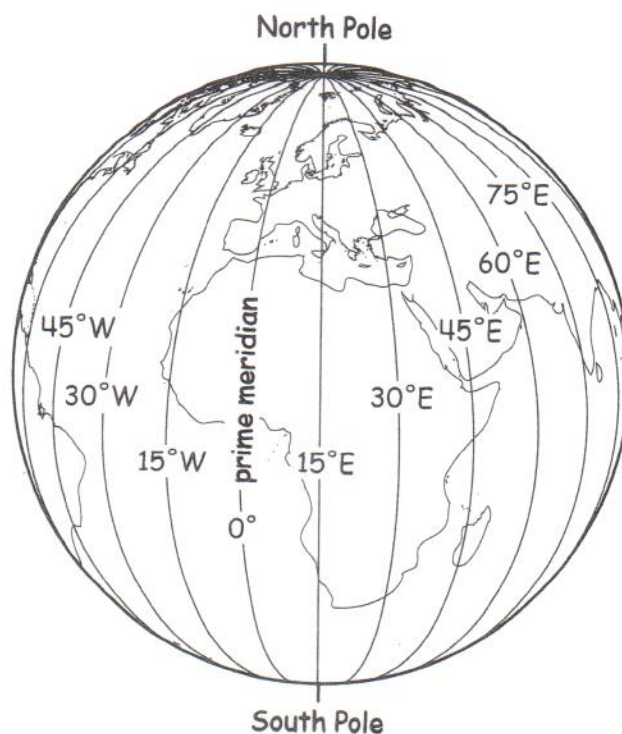# Parallels and Meridians

North Pole
90°N
75°N
60°N
45°N
30°N
15°N
0°
equator
15°S
30°S
45°S
60°S
South Pole
90°S

North Pole
75°E
60°E
45°W
45°E
30°W
30°E
prime meridian
15°W   15°E
0°
South Pole

Parallels or Lines of Latitude

Parallels, or lines of latitude, measure the distances north or south of the equator.

Meridians or Lines of Longitude

Meridians, or lines of longitude, measure the distances east or west of the prime meridian.

_____   _____

_____   _____

_____   _____

Parallels and Meridians

Thursday

1. Lines of latitude are also called parallels. Why?

   _____

2. Lines of longitude are <u>not</u> parallel to each other. Explain why.

   _____

Friday

1. Between which two parallels and which two meridians is the tip of Africa located?

   _____

2. Are 15°N latitude and 75°E longitude locations in the continent of Asia or Europe?

   _____

Challenge

Write the following memory trick as a caption on the map page. Illustrate the caption to help you remember in which directions the parallels and meridians run.

- The lines of *latitude,* which sounds like "ladder," lie like the rungs of a ladder.

- The lines of *longitude* are "long" and all run from the North Pole to the South Pole.

Name _____

Day 3

Weekly Question

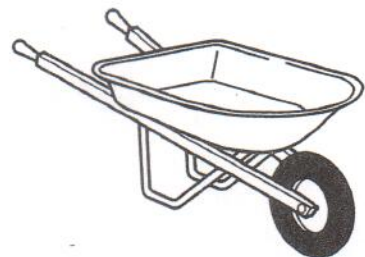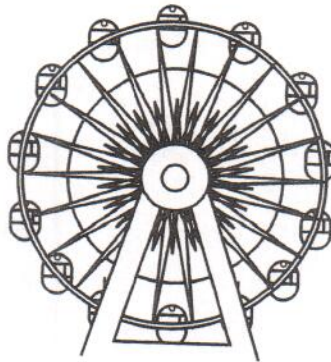# How does a wheelbarrow make work easier?

Daily Science

Big Idea 6

WEEK 4

A wheel and axle helps you do work by changing a push or a pull into a force that rotates, or spins. With wheelbarrows, it's much easier to push a load rolling on a wheel than to drag the load along the ground.

A wheel and axle also creates mechanical advantage. When the axle rotates, the wheel moves a greater distance than the axle does. For example, when you ride a bicycle, your foot turns the pedal, which is connected to the axle. The wheel moves more than your foot does. So you contribute less force to move a greater distance than you would move if you walked.

A. Draw arrows pointing to a wheel and axle in each illustration.

B. Write *true* or *false*.

1. A wheel and axle can create mechanical advantage. _____

2. In a bicycle, the wheel moves a shorter distance when more force is applied to the pedal. _____

C. In each example below, tell whether the force applied is directed to the *wheel* or to the *axle*.

1. a faucet handle _____

2. a spinning top _____

3. a steering wheel _____

4. an airplane propeller _____

Name _____
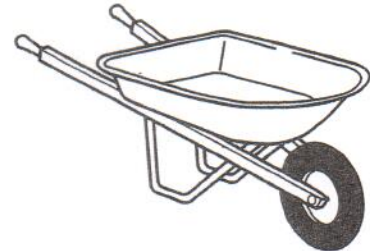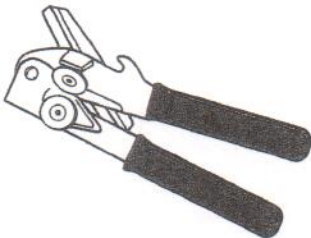
How does a wheelbarrow make work easier?

When two or more simple machines are put together, you get a **compound machine**. Compound machines can be basic, such as a wheelbarrow or a can opener, or they can be very complex, such as a car. But even very complicated mechanical tools can be broken down into several simple machines.

Without machines, life and work would be much more difficult. Simple and compound machines make our lives better by saving us time and energy. For thousands of years, people have depended on machines. The world would not be the same without them.

Vocabulary

compound machine
KOM-pound muh-SHEEN
a combination of simple machines used to simplify tasks

A. Name the simple machines that make up each compound machine.

1. _____
   _____

2. _____
   _____

3. _____
   _____

B. Complete the analogy.

Simple machine is to *compound machine* as _____.

☐ *nail* is to *screw*

☐ *wheelbarrow* is to *car*

☐ *wheelbarrow* is to *lever*

☐ *lever* is to *scissors*

Name _____

Day 5

Weekly Question

How does a wheelbarrow make work easier?

A. Use the words in the box to complete the sentences.

> lever   wheel and axle
>
> fulcrum   compound machine

1. A _____ is what the lever balances on.

2. A seesaw is an example of a _____.

3. A _____ uses two or more simple machines.

4. A bike has more than one _____.

B. Answer *true* or *false*.

1. A wheelbarrow is a simple machine. _____

2. The handles of a wheelbarrow act as a lever. _____

3. A wheel and axle can change the direction of force. _____

4. It is easier to drag something than to carry it in a wheelbarrow. _____

C. In the left box, draw something that has a lever with a fulcrum. In the right box, draw something with a wheel and axle. Then label each simple machine.