When adding ed or ing to a verb ending in a consonant, you should double the consonant when the verb ends with one vowel and one consonant, and the stress is at the end of the word. Example: mop mopped mopping
Correct the Comments

Your big sister posted a vacation picture on social media. Some of the commenters have confused the words its/it’s, their/they’re, and your/you’re. Circle the misspellings.

Write the words correctly below.

__________________________________________________________________
__________________________________________________________________
__________________________________________________________________
What’s Your Point?

Circle the main purpose of each summary of a piece of writing or speech.

- A defense attorney gives a closing argument stating that his client is not guilty.
  - informs
  - entertains
  - persuades
  - connects to the human experience

- A comedian tells jokes.
  - informs
  - entertains
  - persuades
  - connects to the human experience

- A travel writer details the smells and sights of the foods that street vendors are selling.
  - informs
  - entertains
  - persuades
  - connects to the human experience

- A science writer gives a report on the migration of monarch butterflies.
  - informs
  - entertains
  - persuades
  - connects to the human experience

- A novelist writes about a character who loses a friend.
  - informs
  - entertains
  - persuades
  - connects to the human experience

Brain Box

The purpose of a piece of writing can be to inform, entertain, persuade, or connect people to the human experience. The human experience includes feelings such as love, loss, longing, anger, fear, compassion, and courage.
The Five Senses

Imagine you are in the setting shown in the picture. Complete the statements about the setting by using your senses.

I see ______________________________
I hear ______________________________
I smell ______________________________
The weather is _________________________
For food, I am going to eat ___________________

I see ______________________________
I hear ______________________________
I smell ______________________________
The weather is _________________________
For food, I am going to eat ___________________

I see ______________________________
I hear ______________________________
I smell ______________________________
The weather is _________________________
For food, I am going to eat ___________________

Brain Box

Every setting has distinct sights, sounds, smells, weather, wildlife, people, and foods. For instance, a forest may be shadowy and cool whereas a meadow may be warm and bright.
Ocean Life

Fill in the missing numbers to multiply each set.

4 + 4 + 4 = 
4 × 3 =

___ + ___ + ___ + ___ =
___ × ___ =

___ + ___ + ___ =
___ × ___ =

___ + ___ + ___ + ___ =
___ × ___ =

___ + ___ + ___ =
___ × ___ =

Brain Quest Fifth Grade Workbook

Brain Box

Multiplication is adding groups of the same number.

2 + 2 + 2 = 6
2 × 3 = 6
Teamwork

Divide the players into even teams. Circle the groups. Write the equation underneath.

Divide 12 soccer players into 3 teams of 4.

12 ÷ 3 = 4

Divide 20 basketball players into 4 teams of 5.

Divide 28 gymnasts into 7 teams of 4.

Divide 18 soccer players into 6 teams of 3.

Divide 24 wrestlers into 6 teams of 4.

Divide 9 lacrosse players into 3 teams of 3.

Divide 28 gymnasts into 7 teams of 4.

Divide 18 soccer players into 6 teams of 3.

Divide 24 wrestlers into 6 teams of 4.
Matchy, Matchy

Draw a line between the matching equations.

\[ \frac{1}{3} + \frac{2}{3} \] +

\[ \frac{4}{8} - \frac{1}{8} \] +

\[ \frac{4}{5} + \frac{3}{5} \] -

\[ \frac{3}{4} + \frac{1}{4} \] +
The Great Divide

Divide the shape into smaller parts based on the equation. Solve the problem.

\[ \frac{1}{4} \div 2 = \frac{1}{8} \]
\[ \frac{1}{2} \div 5 = \]
\[ \frac{1}{3} \div 3 = \]

Divide the shapes into more parts based on the equation. Solve the problem.

\[ 4 \div \frac{1}{2} = \]
\[ 5 \div \frac{1}{3} = \]

Brain Box

When you are dividing a fraction by a whole number, you are dividing a part of a whole into smaller parts. So the fraction gets smaller:

\[ \frac{1}{3} \div 3 = \frac{1}{9} \]

When dividing a whole number by a fraction, you are dividing a whole number by a part of a whole. So the number gets bigger:

\[ 3 \div \frac{1}{2} = 6 \]
The southernmost colony is Georgia.

Maryland and Delaware share a peninsula.

Pennsylvania is the only colony that does not touch the Atlantic Ocean.

Rhode Island is nestled between Massachusetts and Connecticut.

A large island is part of New York.

Massachusetts had two land areas separated by New Hampshire.

Virginia was above North Carolina and South Carolina.
Big Ideas

Read the timeline. Match the inventions to their correct categories.

<table>
<thead>
<tr>
<th>Invention</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bifocals</td>
<td>Energy</td>
</tr>
<tr>
<td>Steel plow</td>
<td>Clothing</td>
</tr>
<tr>
<td>Telephone</td>
<td>Communication</td>
</tr>
<tr>
<td>Lightbulb</td>
<td>Health/Well-being</td>
</tr>
<tr>
<td>Cotton gin</td>
<td>Food</td>
</tr>
</tbody>
</table>

- **1784**
  Benjamin Franklin invents bifocal eyeglasses, one of his many inventions.

- **1794**
  Eli Whitney gets a patent for the cotton gin, which removes seeds from cotton used to make clothing and other goods.

- **1837**
  John Deere invents the steel plow, that is specialized for the tough Midwest prairie farm soil.

- **1876**
  Alexander Graham Bell and Thomas Watson invent the telephone.

- **1879**
  Thomas Edison invents the first practical incandescent lightbulb.

- **1903**
  The Wright Brothers fly the first successful airplane.
Neat Feet

Read about the different kinds of feet that animals have. Then answer the questions.

**webbed feet**
Animals that live in the water have webbed feet, which help them swim faster or farther to catch prey.

**solid hooves**
Prey animals that live in grasslands have solid hooves, which are built for speed. This allows hooved animals to escape predators.

**talons**
Birds of prey have talons in order to grab their prey and hold on to it as they fly to a safe place to eat it.

**paws**
Paws can be used for climbing trees to find food. The claws on paws can be used to dig for food or to grasp prey.

Explain why ducks have webbed feet.

Why are solid hooves helpful to horses?

Why do eagles have talons?

Why does a bear have paws?
Cells

Using the clues, label the parts of the animal cell.

The cell membrane is the outer layer of the cell. It holds the cell together, but allows material to pass in and out.

In the middle of the cell, the nucleus controls the cell so that the cell carries out its function.

The nucleus contains DNA, which looks like a twisted ladder.

The cytoplasm lies between the cell membrane and the cell’s nucleus.

The cytoplasm contains mitochondria, which produce chemical energy for the cell, and vacuoles, which store water and remove waste from the cell.

Brain Box

Cells are the building blocks of all living things. They have various functions. For instance, cells can make up muscles or an organ. Multiple cells that have the same function form tissue.