

Fourth Grade

Blizzard Bag Day 1

Name _____

Name: _____

Rumors Running Wild

by Kelly Hashway

Michelle watched everyone crowd around Paige to admire her new leather jacket. Michelle had been Paige's best friend since kindergarten, but now everyone wanted to be Paige's friend. Paige's dad had gotten a promotion and bought her expensive gifts. Everyone always wanted to see what the latest gift was.

Michelle walked past the crowd and slumped onto her chair.

"Everything okay, Michelle?" Mrs. Tisley asked.

Michelle nodded, but as soon as Mrs. Tisley walked away Michelle mumbled, "Just Paige with all her expensive presents thinking she's better than the rest of us."

"She said she's better than us?" Allison asked.

Michelle turned to face Allison. "Um, well—"

"Just because her family has money now doesn't make her better than us!" Allison got up and stormed across the room. Michelle was afraid she was going to say something to Paige, but it was worse. Allison went straight to Lexi, the class gossip. Michelle's stomach lurched.

By lunchtime, kids were calling Paige a snob. Michelle walked into the cafeteria and saw Paige sitting by herself. Michelle's heart raced as she walked over to her.

"Can I sit with you?"

"I'm surprised you want to. No one else does." Tears streamed down Paige's face.



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1. Paige and Michelle...
 - a. had been best friends for many years.
 - b. never get along well.
 - c. often spread rumors about each other.
 - d. have very few friends.

2. Michelle told Allison...
 - a. that Paige has a new jacket.
 - b. that Paige's father got a promotion.
 - c. that Paige thinks she's better than everyone else.
 - d. that Paige tells lies.

3. Did Mrs. Tisley know why Michelle was upset? How can you tell?

4. How did Michelle feel after rumors about Paige had spread around the class?
(Circle the best answer.)

| | | | |
|------|----------|--------|--------|
| glad | confused | clever | guilty |
|------|----------|--------|--------|

Explain why you chose the word above.

5. After rumors about Paige had spread around the class, how did Michelle fix the problem?
 - a. She promised to sit by Michelle in the cafeteria every day.
 - b. She said she will never listen to gossip again.
 - c. She told her friends to ignore Paige so the problem would go away.
 - d. She made an announcement to the class and apologized for her behavior.

Social Studies

Use the map below to answer the following questions.



1. Name a city that is north of Columbus. _____

2. Name a city that is southwest of Marion. _____

3. Chillicothe is _____ of Columbus.

north or south

4. Shade the Ohio River and Lake Erie blue (if you have a blue colored pencil or crayon). If not, use your pencil to shade them both.

5. What state borders Ohio to the West? _____

6. List all five states that share a border with Ohio.

1. Circle all of the numbers that will round to 1,000 when rounded to the nearest hundred.

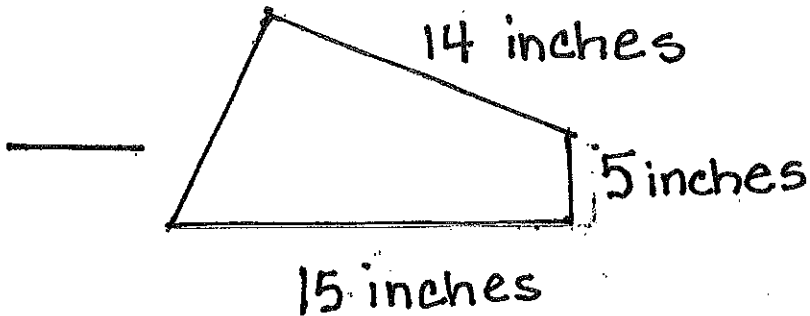
A. 973

B. 1,843

C. 1,024

D. 937

2. If the perimeter of the quadrilateral is 46 inches, what is the length of the missing side?



3. What is the **sum** of 7,982 and 3,669? Show your work.

4.
$$\begin{array}{r} 500 \\ - 78 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 604 \\ - 395 \\ \hline \end{array}$$

6. Write the following numbers in expanded form.

Example: 3,562 $3,000 + 500 + 60 + 2$

748 _____

4,025 _____

8,762 _____

7. 28

$\times \underline{5}$

57

$\times \underline{6}$

8. $42 \times 10 =$ _____

9. $67 \times 100 =$ _____

10. $5 \times 1,000 =$ _____

Fourth Grade

Blizzard Bag Day 2

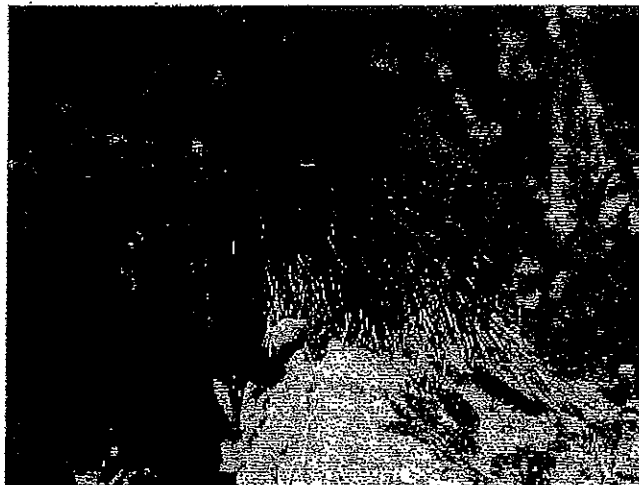
Name _____

Name: _____

Quills and Thrills

by Kelly Hashway

Forests are homes to many animals. But there's one forest creature that gives off an odor and makes a rattling sound when it feels threatened. No, it's not a cross between a skunk and a rattlesnake. It's a porcupine.



Porcupines are covered with quills—about 30,000 on average. The quills cover most of the porcupine's body with the exception of the face, stomach, and the inside of the animal's legs. You probably know that rattlesnakes shake their tails to scare off predators. It's like a warning signal. Well, porcupines do something similar. When a porcupine is approached by a predator or is feeling threatened, it rustles its quills. This creates a rattling sound as a warning sign, telling other animals or even humans to back off. But the sound isn't the only warning. When a porcupine raises its quills like this, it produces an odor. So the animal uses both sound and smell to ward off enemies.

If a porcupine is attacked, its quills act as protection. You may have heard rumors that porcupines can shoot their quills at attackers. This isn't true. What actually happens is when a porcupine tenses the muscles around their quills and makes them stand up, the quills become loose. If an animal gets too close to the porcupine and brushes up against it, the quills will detach and stick into the attacker.



The quills aren't poisonous, but they have multiple layers of barbs like barbed wire, which makes them painful and sometimes difficult to remove because they embed themselves into the attacker's skin. But the interesting thing about quills is that they are coated with

antibiotic fatty acids that help speed up the healing process. Why? To protect the porcupine in case it accidentally pierces its own skin. A porcupine's quills will grow back after losing them, but it does take several months.

So if you ever find yourself in a forest, and you hear a rattling sound followed by a strange odor, beware. Finding yourself on the other end of a porcupine's quills may be more thrills than you're looking for.

About the Author



Kelly Hashway's latest book, *May the Best Dog Win*, is now available!

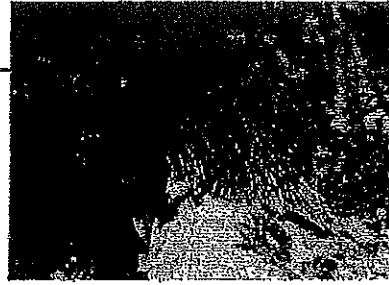
Dash has the perfect life until the Super Sweeper 5000 shows up. Sweeper runs all over the house sucking up the leftover food scraps, and he even has his own room! But Dash won't give up his place as the favorite dog without a fight.

Hashway, Kelly. *May the Best Dog Win*. ISBN: 9780984589081

Name: _____

Quills and Thrills

by Kelly Hashway



1. Which parts of a porcupine's body are not covered with quills?

2. When a porcupine is feeling threatened by a predator, what does it do?

- a. shoots quills at the predator
- b. makes a rattling sounds with its quills
- c. curls up in a ball
- d. thumps its tail on the ground

3. A porcupine's quills are barbed. What does this mean?

- a. They are poisonous to people and animals.
- b. They are coated with antibiotic fatty acids.
- c. They grow back when the porcupine loses them.
- d. They get stuck in an enemy's skin.

4. What is the author's purpose for writing this article.

- a. to explain how porcupines eat, live, and play
- b. to teach readers how porcupines defend themselves
- c. to describe the life cycle of a porcupine
- d. to entertain readers with a story about porcupines

5. According to the information in the article, Which fact about porcupines is not true?

- a. When a porcupine's quills stand up, they become loose.
- b. When a porcupine raises its quills, it produces an odor.
- c. Porcupines have about thirty thousand quills.
- d. It takes several years for a porcupine to regrow lost quills.

Name _____

The Wright Brothers

Learn about the inventors Orville and Wilbur Wright

Read the paragraph below and then answer the questions that follow.

Orville and Wilbur Wright's mother was always fixing and repairing things. The boys inherited her fondness for "tinkering," and earned money making mechanical toys. They also had an interest in birds and studied how they flew. It seemed almost natural that the brothers would try to create a flying machine. They opened a bicycle shop and built a wind tunnel within which they tested various wings. For a few years, they made several short flights in motorless gliders and continued to improve upon their designs. In 1903, in Kitty Hawk, North Carolina, the Wrights made the first successful flight in a motorized plane called the Wright Flyer. The plane cost them \$1,000 to make and stayed in the air for twelve seconds.

Questions:

From whom did the Wright brothers inherit their love for tinkering?

Where did the brothers build their wind tunnel?

Where did the brothers make the first successful motorized flight of an airplane?

What was the name of the plane used in that flight?

How long did the plane stay in the air?

Name: _____

| P/S | R/P | Com | Con | Rep | A/Level |
|-----|-----|-----|-----|-----|---------|
| | | | | | |

Tile Border O

Tile Border

Mrs. Garcia wants to put a tile border along one side of her kitchen wall. Mrs. Garcia measures the wall and knows that she needs enough tiles to make three rows with sixty-three tiles in each row. How many tiles does Mrs. Garcia need to make the border? Tiles sell in boxes with eight tiles in each box. How many boxes of tiles does Mrs. Garcia need to buy? Write equations to support your mathematical thinking.

Fourth Grade

Blizzard Bag Day 3

Name _____

Name: _____

Legend of the Mermaid

by Kelly Hashway



We've all heard of mermaids. They are the beautiful half-human, half-fish creatures that live in the sea. They have the head and torso of a human and the tail of a fish. We also know that mermaids only exist in fairy tales. But where did all the stories about these creatures come from? If you have ever seen a manatee, then you might have an idea.

Manatees, which are also called sea cows, are mammals that live in the ocean. Since they are mammals, they have to swim up to the surface to breathe air. Many people believe that the legend of the mermaid began with sailors who witnessed the manatees popping their heads out of the water to breathe. Because manatees are upright when they do this, it can look like they are standing. If a sailor saw a manatee doing this from far away across the ocean, it is possible that the sailor would mistake the manatee for a creature that is half-human, half-fish.

Mermaids are described as having long flowing hair. This is probably because manatees like to swim up to the surface of the water in areas where there is seaweed. Manatees eat all kinds of vegetation, including sea grass. The seaweed surrounding the manatee's head when they eat could give the impression of long hair.

Manatees also have powerful tails that are very similar to the fish-like tail of a mermaid. Sailors probably watched manatees come up for air and then swim back below the surface, using their paddle-shaped tails. This would explain why sailors thought mermaids had fish-like tails.



Another similarity between the manatee and the mermaid is how they hold their young. Manatees cradle their babies in their flippers just like people hold their children in their arms. So it is easy to see human traits in manatees and how they just might have led to the legend of the mermaid.

Name: _____

Legend of the Mermaid

by Kelly Hashway



1. What is a manatee?
- a. a large, gray fish that lives in the ocean
 - b. a large, gray fish that lives in lakes
 - c. a large, gray mammal that lives in the ocean
 - d. another word for mermaid

2. Three Reasons Ancient Sailors May Have Mistaken Manatees for Mermaids

| | |
|-----|-------|
| I | _____ |
| II | _____ |
| III | _____ |

3. Which sentence is an opinion?
- a. Mermaids exist only in fairy tales.
 - b. Manatees eat all kinds of vegetation, including sea grass.
 - c. Manatees need to swim to the surface of the water for air.
 - d. Mermaids are beautiful creatures.
4. What is the author's purpose for writing this passage?
- a. to compare and contrast mermaids and manatees
 - b. to persuade you to believe in mermaids
 - c. to describe how mermaids live
 - d. to entertain you with a story about a mermaid who lived long ago

Name _____

Rock On!

Inside Earth is hot, molten magma. The crust, or hard outer layer of Earth, is made of rock. There are three types of rock. Study the chart below and answer the questions that follow.

| Type of Rock | How It Forms | Examples |
|--------------------|--|---------------------------------|
| Igneous | Igneous rock is produced from volcanoes. It forms from hot magma that cools and hardens. | Basalt and granite |
| Sedimentary | Sedimentary rock forms in thin layers from particles that have cemented together and hardened after many years of pressure. | Limestone, sandstone, and shale |
| Metamorphic | Metamorphic rock is igneous or sedimentary rock that has changed from its original state over time because of heat and pressure. | Marble and slate |

1. What are the three types of rocks?

2. Which type of rock forms from the cooling of magma?

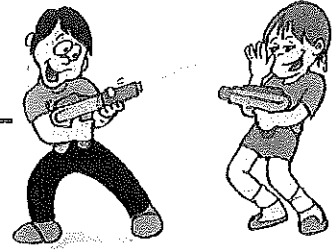
3. Which type of rock is shale?

4. How does metamorphic rock form?

5. Some rocks contain the remains of plants and animals. Such remains are called fossils and form over many years. Based on the information above, which type of rock is the only one that could contain fossils? Why?

Name: _____

Multiple-Step Problems



- a. Craig has a twenty dollar bill. He buys six squirt guns for \$2 each. How much money did Craig have left?

- b. Maria invited 4 of her friends over for a water balloon fight in the backyard. At the start of the game, Maria gave each of her friends 2 water balloons. She had one water balloon for herself. How many water balloons did they have altogether?

- c. Matthew and his brother Shawn played swimming-pool-basketball. Each basket was worth 3 points. Matthew scored 9 points. Shawn scored 6 points. What is the total number of baskets made during this game?

- d. Lauren and Gina's mother told her daughters they can swim in the pool for 20 minutes. First, they swam laps in the pool for 7 minutes. Then they swam underwater for one minute. Then they played water polo for 8 minutes. How much longer can they stay in the pool?
