Dear Future Fifth Graders,

We wish to welcome you! Within this packet, you will find activities that will review Math and English/Language Arts. These are meant to keep your skills sharp during the summer months. Please work at your own pace. Remember, though, this packet will be due on Friday, August 18th. These will be the first grades you receive for 5th grade in Math and English/Language Arts.

Some sites you could use to practice Math are listed below:

Prodigy (play.prodigygame.com)

Cool Math (Coolmathgames.com)

Zearn (zearn.org)

Sheppard Software (sheppardsoftware.com)

XtraMath (xtramath.org)

**We also recommend 10-20 minutes of reading each week day in the summer months!

Have a wonderful summer! We look forward to seeing all of you in the new school year!
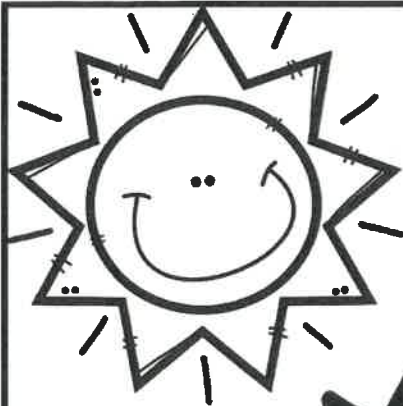
Ms. Homa and Mrs. Perhavec

If you have any questions, do not hesitate to ask.

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# Summer Learning Packet

Name

# ELA
# 4th Grade

# OCTOPUSES

Octopuses are interesting sea creatures. They have rounded and boneless bodies. An octopus has bulging eyes. The head, or **mantle,** is surrounded by eight arms called **tentacles.** They have three hearts. They belong to a family of animals called **cephalopods** that also includes cuttlefish, nautilus, and squids.

## HABITAT

There are more than 200 different species of octopuses that live in all the oceans around the world. They live mostly near the coral reefs. They are considered "**monsters of the deep**" because most of them live on the ocean floor. Some octopuses are **pelagic animals.** This means they live near the water's surface in reefs, shells, and crevices.

## FOOD

Octopuses use their long tentacles to snatch their prey. They have 240 strong suction cups on each tentacle. They use these suction cups to hunt for food. Octopuses commonly eat crabs, lobsters, shrimps, and shellfish. Their strong jaws help them open shells. The jaws are the only hard structure in their entire body that is used for eating.
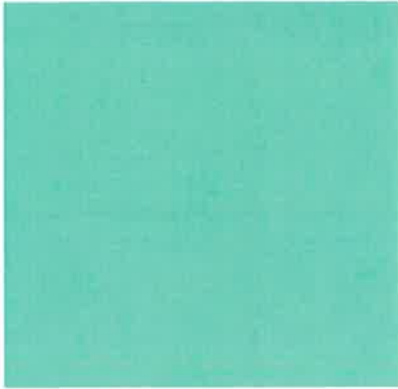
## DEFENSE MECHANISMS

Large fish, whales, and seals are the most common predators of octopuses. When octopuses are in danger, they shoot a black and inky fluid. The fluid darkens the water. This helps them confuse and escape their predators. Octopuses can also change their colors to brown, gray, green, blue, or pink so they can blend in with their surroundings. They hide by changing their skin color. Their saliva contains venom that makes them poisonous. The blue-ringed octopuses are the most dangerous ones.
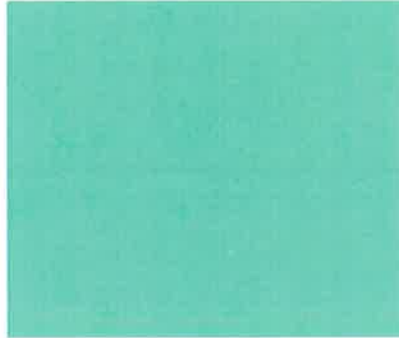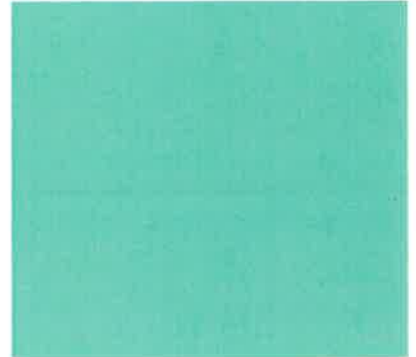
# OCTOPUSES

Name _____ Date: _____

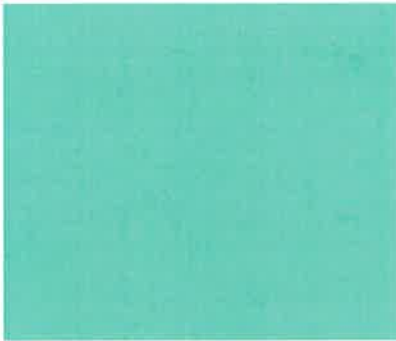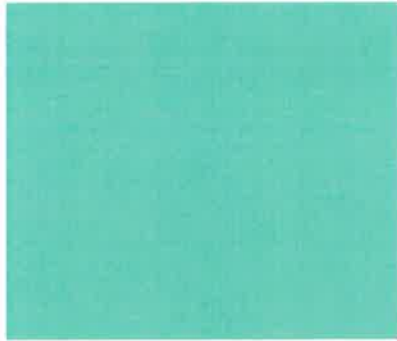| | | |
|---|---|---|
| 1. What does the word **cephalopod** mean? | 2. How many tentacles does an octopus have? | 3. How many hearts does the octopus have? |
| 4. Name **two (2)** close relatives of the octopus. | 5. Which body part contains the octopus' vital organs? | 6. What was the name of the famous octopus who predicted the results of the World Cup? |
| 7. What is an invertebrate? | 8. On which body part can an octopus' suckers be found? | 9. What do scientists give to octopuses to solve? |

# Compare & Contrast

## Dolphins

Dolphins are marine mammals. They are warm-blooded and give birth to their offspring. Dolphins are found in all oceans of the world. They have a curved dorsal fin and conical teeth.
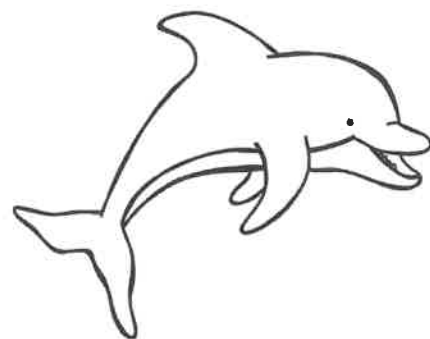
Dolphins eat fish and squid. Dolphins are very social. They entertain people with their friendly faces and playfulness. Dolphins are sometimes thought of as the dogs of the sea because they are usually playful and friendly. They're also among the smartest animals on Earth. Scientists believe they are as smart as chimpanzees or dogs.

## Porpoises

Porpoises are marine mammals. They are warm-blooded and give birth to their offspring. Porpoises can only be found in the Pacific Ocean. Porpoises eat fish and squid.
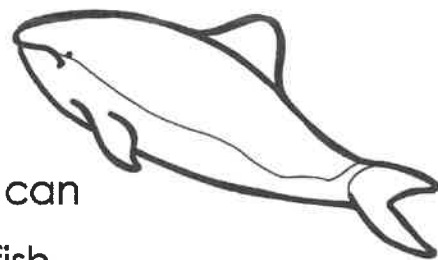
Porpoises look much like dolphins, but they are different in some ways. They are smaller and stouter. They have spade-shaped teeth, rounded heads, blunt jaws, and triangular dorsal fins. Unlike dolphins, porpoises are quite shy creatures and avoid people. They do not perform acrobatics in the water. They are intelligent creatures that can learn many tricks when they are kept in captivity.

Read the two texts below. Complete the Venn Diagram by writing the letter of the description in Its proper place.

## Dolphins | Both | Porpoises
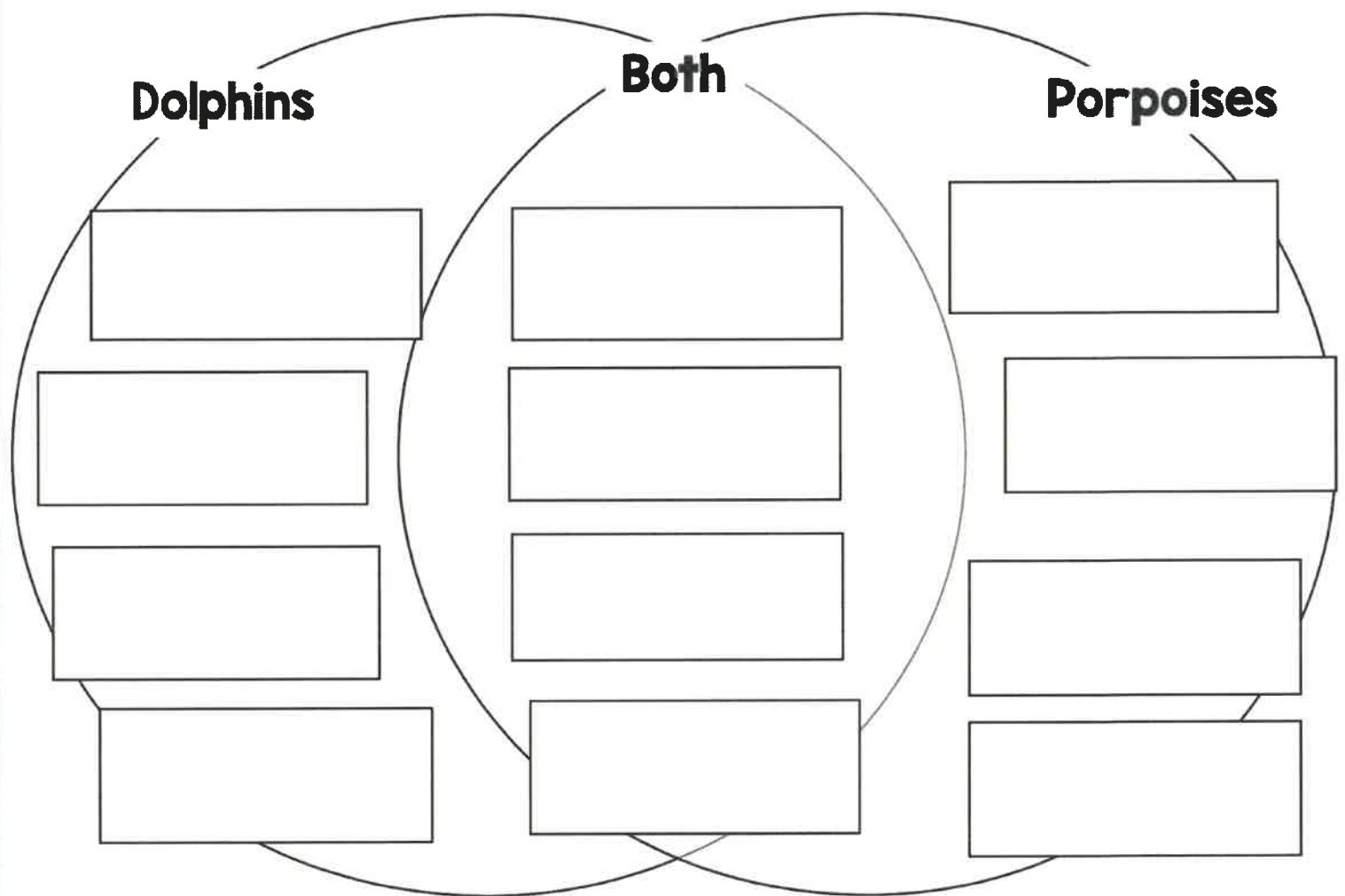
found in all oceans of the world

give birth to offspring

triangular dorsal fin

dogs of the sea

marine mammals

can only be found in Pacific Ocean

eat squid and fish

do not perform acrobats in water

curved dorsal fin

warm-blooded

very social

shy creatures and avoid people

# Pele

Pele is known in Hawaiian mythology as the goddess of fire and volcanoes. She is also known as Pelehonuamea. According to legend, she was born in Tahiti. Her father, the king of Tahiti, banished her because of her fiery temper.

Pele traveled to the islands of Hawaii in a canoe. While she looked for a safe place for she and her siblings, the jealous snow goddesses of Hawaii kept sending snow and blizzards. This pushed Pele back towards her angry sister, the sea goddess. The two sisters fought. Pele's flames and fiery anger threw lava into the ocean.

Soon, the sea had moved away from the coast and was replaced by lava. The lava cooled and became the Big Island of Hawaii.

Pele won, but she was wounded and injured. She eventually died and became a spirit. She lived in the crater of a volcano.  Sometimes, she appears to human as a beautiful woman, or an old, fragile lady.

1.  Why was Pele banished from Tahiti?

    a.  because of her appearance
    b.  because of her temper
    c.  because she was a goddess
    d.  because she wanted to leave

2.  Pele is the goddess of _____.

    a.  thunder
    b.  sea
    c.  volcanoes
    d.  air

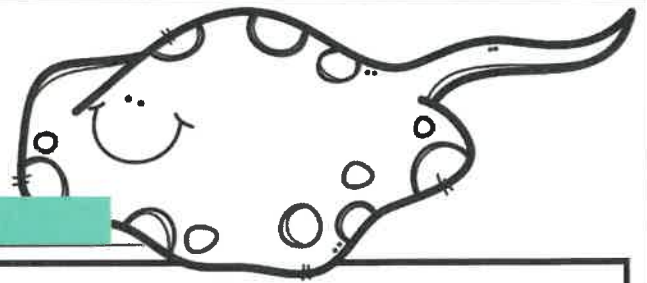3.  What happened to the lava after it cooled down?

    a.  It became a volcano again.
    b.  It became the Big Island of Hawaii.
    c.  It became the country of Japan.
    d.  It sank to the sea.

# STINGRAYS

A stingray is a carnivorous fish. They are commonly found in shallow waters on the coast. Stingrays spend most of their time inactive and partially buried in sand.

They have a flat body. Their side pectoral fins spread outward like wings. Rays are relatives of sharks. Their skeleton is mainly made up of cartilage. They have flat teeth made of bone.

The spine of a stingray has played its role in Greek mythology and history. In ancient Greece, dentists used the venom from the stingray's spine as an anesthetic. In Greek mythology, Odysseus was killed by a spear tipped with the spine of a stingray.

Stepping on a stingray in the ocean can leave you in deep pain. You can avoid stepping on a stingray by shuffling your feet. This creates vibrations, which lets the stingray know you are around.

1. What is the purpose of the last paragraph in the text?

a. to explain how to avoid stepping on a stingray
b. to describe the effects of stepping on a stingray
c. to compare stingrays to other types of rays
d. to explain how people have used the stingray's spine for various purpose

2. What does the word carnivorous mean?

3. What does the word anesthetic most likely mean?

a. something that causes pain
b. something that prevents pain
c. something that increases pain
d. something that decreases pain

4. Which text feature would most likely help the reader?

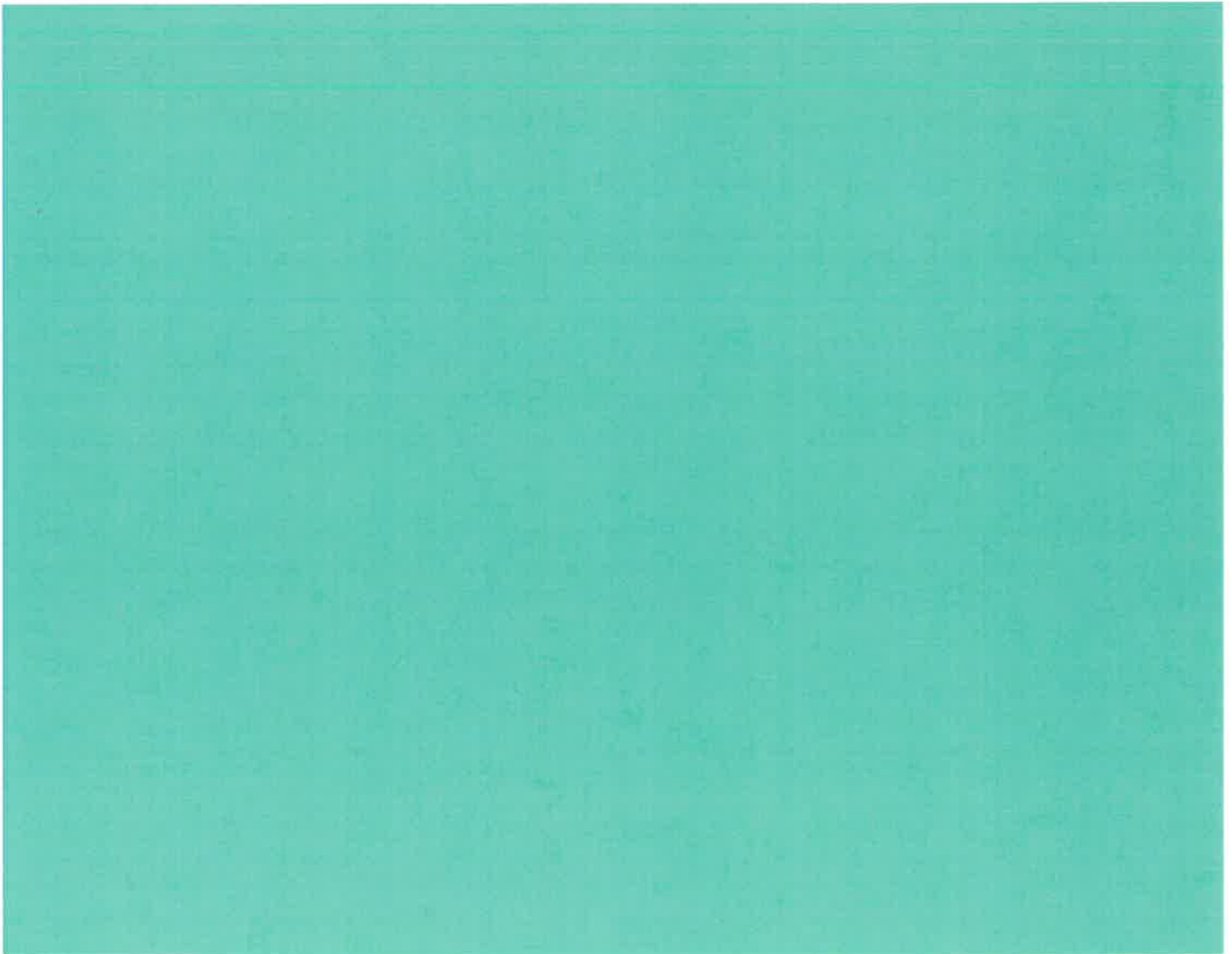a. timeline
b. diagram
c. Venn diagram
d. table of contents
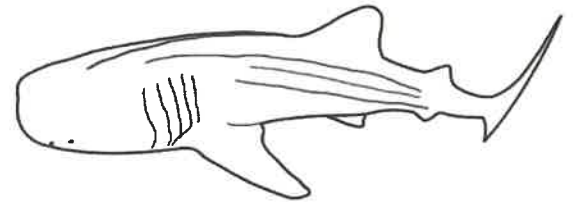
# FAMILY TIME!

**by** _____

Families are special! Write a story about a special time you have had with one of your family members. It can be true or you can make it up. Be sure to include characters and a setting.

**Draw a picture to go with your story.**

# WHALE SHARK

Whale sharks are the biggest fish in the world. They are as big as a bus! Despite its size, they are gentle. They do not eat or attack humans. They mostly eat small fish and plankton, which are small organisms that live in the ocean. They are found in warm oceans, swimming towards the ocean's surface to feed on small organisms. These gigantic ocean creatures swim with their mouths open to filter the water for small fish and creatures. Their wide mouth is filled with hundreds of tiny teeth that help them filter their prey!

While they are very gentle, they are still hunted and killed. Due to their decline in population, they are considered an endangered species.  Many environmentalists are working hard to save the whale shark.

1.  What is an **environmentalist?**


2.  Which of the following are eaten by whale sharks?

a.  small fish and plankton
b.  spaghetti and meatballs
c.  squid and octopus
d.  turtles and crabs

3.  What is the purpose of the last paragraph?

a.  to raise awareness about whale sharks
b.  to promote the buying of shark toys
c.  to promote the baby shark song
d.  to raise awareness about shark tourism

4. What has caused the decline in population of the whale shark?

a.  they are hit by boats with tourists
b.  they are hunted and killed
c.  they eat too much plankton
d.  they are unable to find enough food

# SEAHORSES
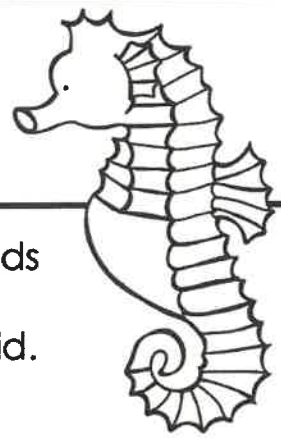
Seahorses are fish! They get their names from their funny heads that look like a horse's head. There are many species of the seahorse. They can be found in almost every part of the world. You just won't find them in the frigid waters of Antarctica.

Seahorses are able to swim upright because of the dorsal fins on their backs. They can also stay in place by holding on to corals, sea plants, or rocks with their tails. They eat their food by sucking with their tube-like mouths, which they use like straws.

Many species of seahorses can change colors in minutes. This helps them camouflage and hide themselves from predators.

1. Where do seahorses get their name from?
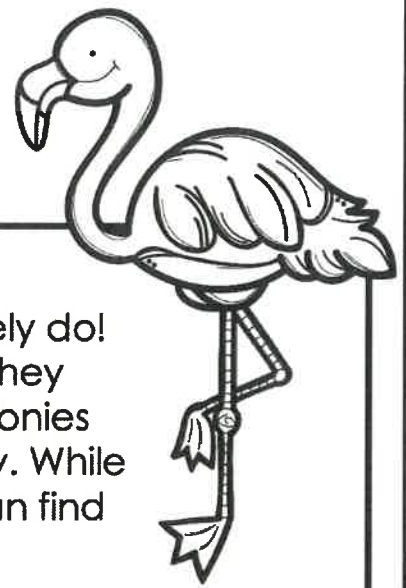
2. Which body part helps the seahorse to swim upright?

a. dorsal fins
b. tail
c. mouth
d. head

2. What is the purpose of the first paragraph?

a. It tells us what a seahorse looks like and where they live.
b. It tells us how seahorses can change colors
c. It tells us what seahorses eat.
d. It tells us how seahorses swim.

3. What does the word camouflage mean?

# FLAMINGOS

## Flocks of Flamingos

They say birds of a feather flock together! Flamingos definitely do! Flamingos are very sociable birds. They live in large groups They breed, feed, and travel together. These birds form huge colonies that can contain thousands of birds. They are also very noisy. While flamingo flocks are very big and noisy, an adult flamingo can find its own chick by listening for its distinctive call.

Flamingos are wading birds. They have a long neck and legs. They can be found along the edges of lakes and lagoons. A lagoon is a shallow area of water that is linked to the sea.

## Why are flamingos pink?

Flamingos are born gray or white. They turn pink as they get older. Flamingos get their color from the food they eat. Flamingos eat plankton. Plankton are tiny water plants and creatures such as algae and shrimp. There is a chemical in the plankton that turn the flamingo's feathers pink.

1. What is a group of flamingos called?

a. colony
b. herd
c. school
d. flock

2. Why are flamingos pink?

a. They get sunburned from staying under the sun too long.
b. The water they drink is colored pink.
c. A chemical in plankton that they eat turn their feathers pink.
d. When they're shy, they blush a little and turn pink.
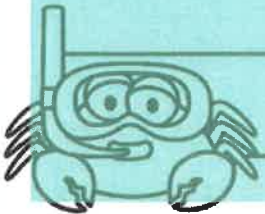
3. What is a lagoon?

# BEST VACATION EVER!

**by** _____

Imagine that you are planning your dream vacation. You can go anywhere in the world. Where would you go? What would you do? Who would you bring? Write to tell what your perfect dream vacation would be like.

**Draw a picture to go with your story.**

# Marine Biomes

**Name** _____    **Date** _____

The Marine biome is the largest biome on Earth. It covers more than half of the Earth's surface. Marine biomes can be divided into three types:

- **Oceans:** There are 5 oceans in the world: the Pacific, Atlantic, Indian, Arctic and Southern oceans.

- **Coral reefs:** 25% of marine animals make coral reefs their home.

- **Estuaries:** this is where rivers and streams flow into the ocean and where saltwater and freshwater meet.

The marine biome is home to many creatures. Aside from fish, there are also mammals that live in this biome. Since these mammals don't have gills to help them breathe underwater, they have to go to the surface to breathe. There are also mollusks that have no backbones and soft bodies, like the octopus, squids and oysters.

1.  What is the purpose of the author using bullet points?

a.  to easily differentiate the types of marine biomes
b.  to show the problems faced in the marine biomes
c.  to compare marine biomes to other biomes
d.  to show how marine biomes were formed

2.  What are estuaries?

a.  where rivers meet land
b.  where two oceans meet
c.  where freshwater meets saltwater
d.  where coral reefs meet oceans

3.  What is a biome?

a.  a place in the ocean
b.  a place where two oceans meet
c.  a place where saltwater and freshwater meet
d.  a community of plants and animals

# BIOLUMINESCENCE

Did you know that some animals can produce their own light? This is called bioluminescence. Fireflies twinkling at night are bioluminescent organisms. Bioluminescence is a chemical reaction. These animals have a special light-producing organ. Fireflies make light in their abdomen. The chemical reaction produces energy. The energy is in the form of photons. The photons create visible light. While fireflies might be the most common example of bioluminescence, there are many animals that have this special feature.

About 80% of bioluminescent creatures live in the world's oceans. They use this ability to survive. Many animals like the anglerfish are able to use their light to find food. The anglerfish has a light on top of its head. The light attracts prey.

Bioluminescence also helps animals reproduce. Some species of mushrooms' light attracts insects. The insects then carry fungal spores to other places where they can reproduce. The glow of fireflies helps them to attract their mates.

Bioluminescence is also used as a defense mechanism. A vampire squid can squirt a glowing cloud to confuse predators. Glowworms use their light to make their predators think they are toxic. Click beetles use their light to make themselves appear larger.

People enjoy seeing bioluminescence in nature. Bioluminescent tours are a big part of the economy in tourist destinations around the world. However, many people don't realize how important this ability is to thesurvival of these animals.

1.  How did the author organize the text?

a.  by explaining how bioluminescence is important to the economy
b.  by explaining how bioluminescence helps animals survive
c.  by explaining how bioluminescence is a problem to the environment
d.  by explaining how bioluminescence is helpful for the environment

2.  What role do photons play in bioluminescence?

a.  they create visible light
b.  they attract prey
c.  they cause a chemical reaction
d.  they are toxic

3.  Explain what bioluminescence is in your own words. Use examples from the text.
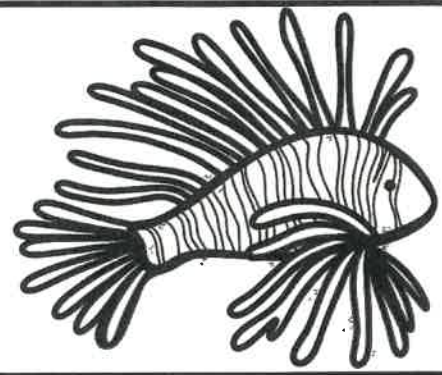
# TO THE DENTIST!

by _____

Going to the dentist is an important part of taking care of your teeth. Some people enjoy going to the dentist. Some people really dislike going to the dentist. How do you feel about going to the dentist? Write a story about a trip to the dentist.

**Draw a picture to go with your story.**

# Lionfish

In the South Pacific Ocean, you can find a very extraordinary fish called the Lionfish. Lionfish are beautiful fish with long spines, bright stripes and beautiful fins. It is a favorite aquarium fish, but it can be dangerous to humans. The spines of the lionfish have a strong venom that they use when they feel threatened.

These fish can get as big as 12 to 15 inches and weigh around 2 pounds and can live more than 10 years in the wild.

Lionfish live in coral reefs. They hunt mollusks and other invertebrates. While they don't usually use their venomous spines for hunting, they can be aggressive towards predators, including humans. Their sting is pretty powerful and may cause a person to get a fever and have trouble breathing.

1. What is the importance of the last paragraph?

a. It warns us of the sting of the lionfish.
b. It tells us how to cook the lionfish.
c. It tells us where to find a lionfish.
d. It describes the lionfish.

2. Why might a lionfish use its venomous spines?

a. because it is hunting for prey
b. because it is hungry
c. because it is sleeping
d. because it feels threatened

3. Which of the following effects might a person feel from being stung by a lionfish?

a. a headache
b. nausea
c. trouble breathing
d. drowsiness

# Pirates

Pirates are thieves that raided treasure ships. Some of them were bold adventurers who wanted to travel the world, so they paid for sea travel by joining sea-raids.

Women were not allowed to be pirates. But some women were thirsty for adventure and decided to join a pirate crew. Mary Read and Anne Bonny decided to dress up as men and became pirates. They even fought fiercely and bravely when their ship was captured in 1720.

The seas of China were often a pirate's favorite. Ships that carried goods from China to Europe often passed by narrow straits. Pirates would be ready to raid these ships. One of the most famous and greatest pirates in China, was Madam Ching Shih, a woman who led about 80,000 armed pirates.

1.  What is the purpose of the first paragraph?

    a.  The first paragraph defined who the pirates were.
    b.  The first paragraph described the physical appearances of pirates.
    c.  The first paragraph explained common problems of the pirates.
    d.  The first paragraph explained who the first pirates were.

2.  Why do you think did the author mentions women pirates?

    a.  to prove that only men can become famous pirates
    b.  to prove that women are as brave as men
    c.  to encourage young women to be pirates
    d.  to encourage young women to be princesses

3.  In your own words, describe women pirates.

# Blackbeard

Blackbeard was considered the most feared pirate of the Caribbean. His real name was Edward Teach.

He was a cruel pirate who wore lighted cords in his hair to make it appear that he was surrounded by thick, black smoke. He also used his huge, black beard to scare his victims. He was also known for drinking rum with gunpowder. He became a legend for his brutality.

The English navy caught him in 1718. He was killed in a duel with Lieutenant Maynard. He hung Blackbeard's head on the front of his ship.

1. How did the author organize the text?

    a. The author outlined the life of Blackbeard from childhood.
    b. The author described Blackbeard's characteristics and his life as a pirate.
    c. The author compared Blackbeard with other pirates.
    d. The author showed the problems encountered by Blackbeard and how he solved them.

2. Which word best describes Blackbeard?

    a. Cruel
    b. Kind
    c. Fair
    d. Jolly

3. Based on the paragraph, which group do you think did Blackbeard belong to?

    a. Pirates of the Caribbean
    b. Madame Ching Shih's crew
    c. Corsairs
    d. Captain Hook's crew

# CAMPING TRIP!

**by** _____

Have you ever been camping? Write about your experience. If you have never been, make up a story. What do you imagine it would be like to go camping? Would it be scary or exciting? Would you have fun or want to go home? Where would you go?

**Draw a picture to go with your story.**

_____

_____

_____

_____

_____

_____

_____

_____

_____

# WILDFIRES

A wildfire is an uncontrolled fire that occurs in wildland areas. It burns huge areas of land, houses, and trees in just a short span of time. It is also known as wildland fire, forest fire, grass fire, bush fire, or vegetation fire.

Most of the time, wildfires have natural causes. There are some cases where wildfires are caused by the carelessness of people in putting out campfires. To prevent wildfires, people should practice fire safety during camping.

Here are some things you can do to protect yourself and your family against wildfires.

## How to Plan for a Wildfire

Find out if your house is located in a place prone to wildfires. Create a wildfire disaster plan that is known by all members of the family. Everyone should know how to act and respond in cases of wildfires. If your house is surrounded with fire-resistant shrubs and trees, it will protect your home from damages. You can also prepare first aid kit and wildfire disaster supplies like protective clothing.

## What to Do During a Wildfire

It is important that you have proper information about the wildfire that is happening near your house. Stay informed through your local radio and tv station. You should also stay indoors to prevent breathing smoke and fumes that will make you feel dizzy. If you are asked to evacuate, do so immediately.

## What to Do After a Wildfire

Even if it seems safe, do not go near the area of wildfire. Wait for the advice coming from the fire officials. Look out for hazards such as fallen wires and ash pits. Stay alert because the fires could start again.

# WILDFIRES

**Directions:** Use the text to answer the questions.

## What is a wildfire?

## What causes a wildfire?

## How would you plan for a wildfire?

## What should you do during a wildfire?

## What should you do after a wildfire?
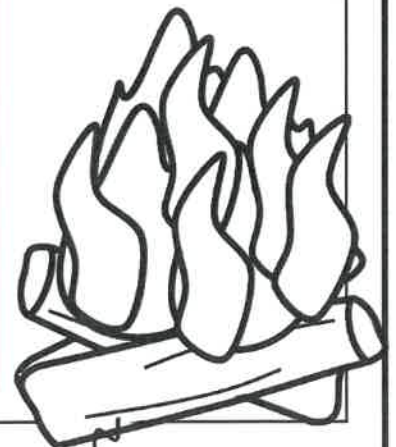
# Math
# 4th Grade

# PLACE VALUE

Name _____    Date _____

---

Color the value of the underlined digit.

## 7,5<u>8</u>6,123

5,000

50,000

500,000

---

Color the value of the underlined digit.

## 2,0<u>5</u>7,324

5,000

50,000

500,000

---

Color the value of the underlined digit.

## <u>9</u>64,752

90,000

900,000

9,000,000

---

Color the value of the underlined digit.

## 3,<u>1</u>58,269

10,000

100,000

1,000,000

---

Color the value of the underlined digit.

## <u>4</u>,521,967

40,000

400,000

4,000,000

---

Color the value of the underlined digit.

## 8,75<u>3</u>,954

3,000

30,000

300,000

# Add DOLLARS & CENTS

Name _____    Date _____

Add.

$15.78
+    $12.85
_____

Add.

$85.63
+    $14.95
_____

Add.

$24.98
+    $54.23
_____

Add.

$93.15
+    $1.78
_____

Add.

$75.42
+    $8.95
_____

Add.

$36.98
+    $59.29
_____

# Subtract DOLLARS & CENTS

Name _____  Date _____

Subtract.

$$\begin{array}{r} \$65.15 \\ - \quad \$25.12 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} \$63.19 \\ - \quad \$16.85 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} \$51.24 \\ - \quad \$24.18 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} \$98.12 \\ - \quad \$8.98 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} \$81.35 \\ - \quad \$5.95 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} \$73.97 \\ - \quad \$19.85 \\ \hline \end{array}$$

# NUMBER PATTERNS

Name _____  Date _____

---

Describe the pattern. Find the next two numbers in the pattern.

**6, 12, 18, _____, _____**

**Rule:** _____

---

Describe the pattern. Find the next two numbers in the pattern.

**8, 16, 24, 32, _____, _____**

**Rule:** _____

---

Describe the pattern. Find the next two numbers in the pattern.

**5, 15, 45, 135, _____, _____**

**Rule:** _____

---

Describe the pattern. Find the next two numbers in the pattern.

**7, 21, 63, 189, _____, _____**

**Rule:** _____

---

Describe the pattern. Find the next two numbers in the pattern.

**4, 16, 64, 256, _____, _____**

**Rule:** _____

---

Describe the pattern. Find the next two numbers in the pattern.

**9, 18, 27, 36, _____, _____**

**Rule:** _____

# Compare PATTERNS

Name _____    Date _____

**Complete the table using the given rules, then compare pattern A to pattern B.**

| Pattern A Add 5 | 5 | 10 | 15 | |
|---|---|---|---|---|
| Pattern B Add 10 | 5 | 15 | 25 | |

Which statement is true?

a. Each term in pattern B can be found by multiplying the corresponding term in pattern A by 2 and then subtracting 5.

b. Each term in pattern B can be found by multiplying term in pattern A by 2.

| Pattern A Add 2 | 7 | 9 | 11 | |
|---|---|---|---|---|
| Pattern B Add 2 | 4 | 6 | 8 | |

Which statement is true?

a. Each term in pattern B can be found by subtracting the corresponding term in pattern A from 11.

b. Each term in pattern B is 3 less than the corresponding term in pattern A.

| Pattern A Add 2 | 3 | 5 | 7 | |
|---|---|---|---|---|
| Pattern B Add 6 | 9 | 15 | 21 | |

Which statement is true?

a. Each term in pattern B is 3 times the corresponding term in pattern A.

b. Each term in pattern B can be found by adding three to the corresponding term in pattern A.

| Pattern A Add 4 | 10 | 14 | 18 | |
|---|---|---|---|---|
| Pattern B Add 2 | 5 | 7 | 9 | |

Which statement is true?

a. Each term in pattern B is 5 less than the corresponding term in pattern A.

b. Each term in pattern B can be found by dividing the corresponding term in pattern A by 2.

# 3 Digit MULTIPLICATION

**Name** **Date**

Multiply.

$$
\begin{array}{r}
895 \\
\times \quad 9 \\
\hline
\end{array}
$$

Multiply.

$$
\begin{array}{r}
912 \\
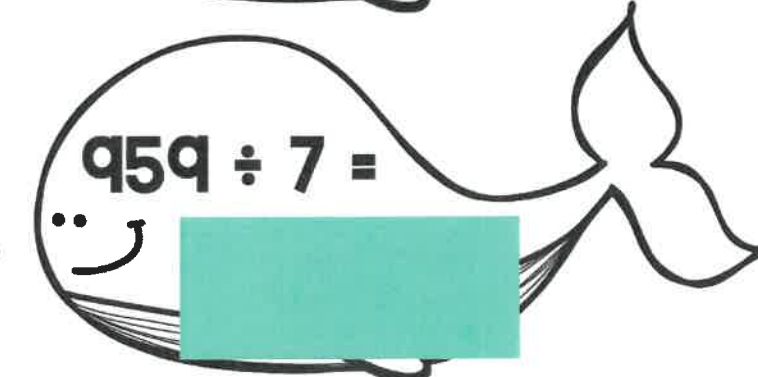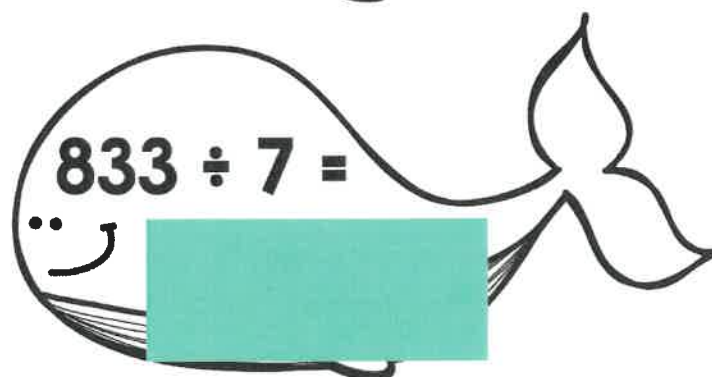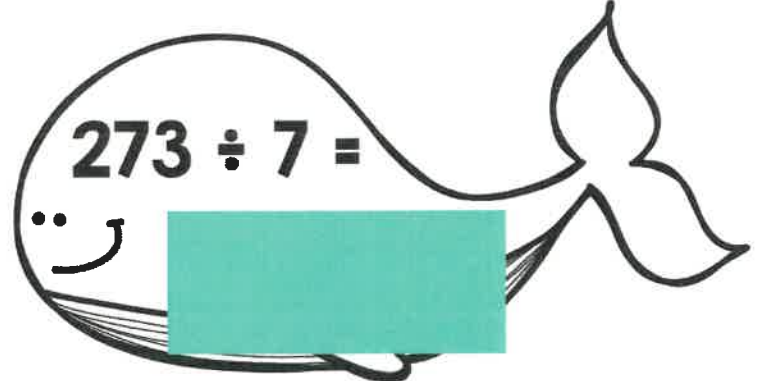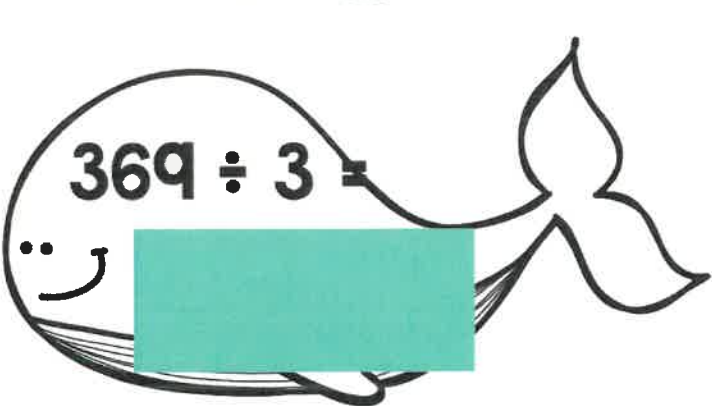\times \quad 6 \\
\hline
\end{array}
$$

Multiply.

$$
\begin{array}{r}
756 \\
\times \quad 7 \\
\hline
\end{array}
$$

Multiply.

$$
\begin{array}{r}
527 \\
\times \quad 5 \\
\hline
\end{array}
$$

Multiply.

$$
\begin{array}{r}
698 \\
\times \quad 8 \\
\hline
\end{array}
$$

Multiply.

$$
\begin{array}{r}
499 \\
\times \quad 9 \\
\hline
\end{array}
$$

# 4 Digit MULTIPLICATION

**Name** _____  **Date** _____

Multiply.

$$\begin{array}{r} 2{,}781 \\ \times \quad\quad 5 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 3{,}158 \\ \times \quad\quad 7 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 5{,}783 \\ \times \quad\quad 6 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 7{,}314 \\ \times \quad\quad 4 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 6{,}898 \\ \times \quad\quad 8 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 8{,}371 \\ \times \quad\quad 9 \\ \hline \end{array}$$

# 2 Digit X 2 Digit
# MULTIPLICATION

**Name**

**Date**

Multiply.

$$\begin{array}{r} 64 \\ \times \ 36 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 89 \\ \times \ 47 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 74 \\ \times \ 81 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 87 \\ \times \ 35 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 49 \\ \times \ 37 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 53 \\ \times \ 96 \\ \hline \end{array}$$

# WHALE, LET'S DIVIDE.

Name _____    Date _____

245 ÷ 5 =

348 ÷ 4 =

369 ÷ 3 =

273 ÷ 7 =

584 ÷ 8 =

485 ÷ 5 =

833 ÷ 7 =

959 ÷ 7 =

# WHALE, LET'S DIVIDE.

*again*

Name _____ Date _____

$4,071 \div 3 =$

$6,528 \div 6 =$

$6,853 \div 7 =$

$6,175 \div 5 =$

$3,736 \div 4 =$

$7,605 \div 9 =$

$6,392 \div 8 =$

$7,854 \div 7 =$

# Decomposing MULTIPLES of 10, 100, and 1,000

**Name** _____  **Date** _____

Decompose each number. Write your answer inside the box.
**For example:** 250 = 25 x 10
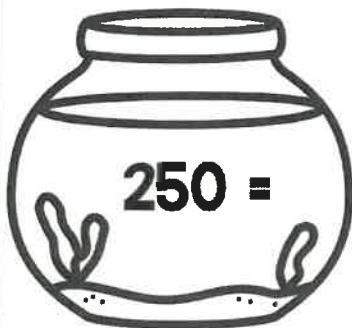
250 = | 25 x 10 |

9,200 =
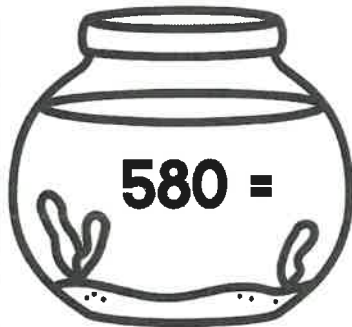
580 =
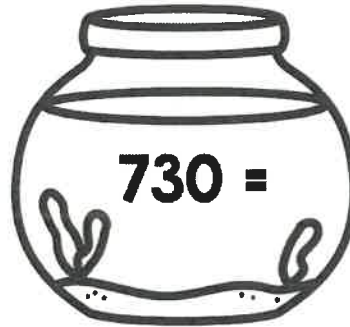
730 =
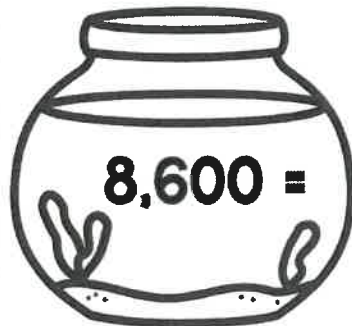
8,600 =
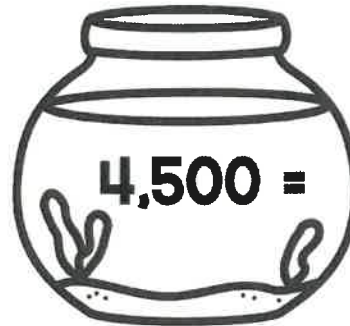
4,500 =

25,000 =
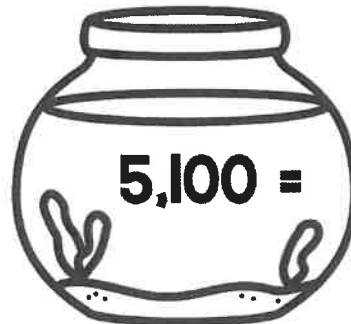
5,100 =

# MULTIPLY 3 FACTORS

Name ▬▬▬▬▬▬▬▬ Date ▬▬▬▬▬▬

Multiply.

8 x (15 x 5)
|||

Multiply.

(7 x 21) x 4
|||

Multiply.

9 x (13 x 8)
|||

Multiply.

(12 x 9) x 6
|||

Multiply.

7 x (17 x 9)
|||

Multiply.

(14 x 6) x 8
|||
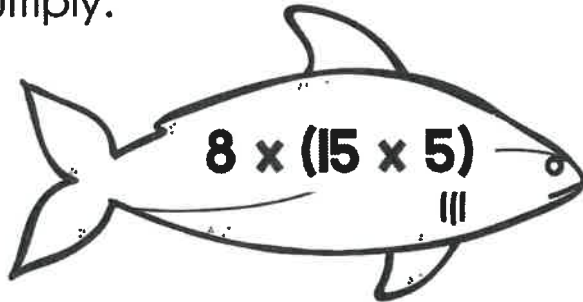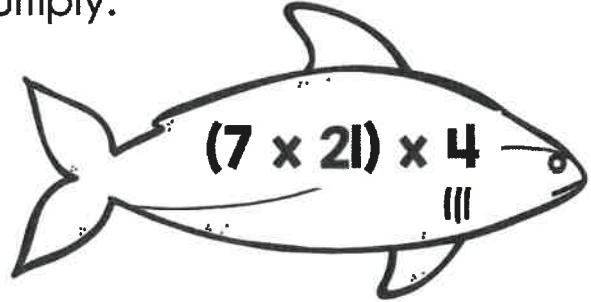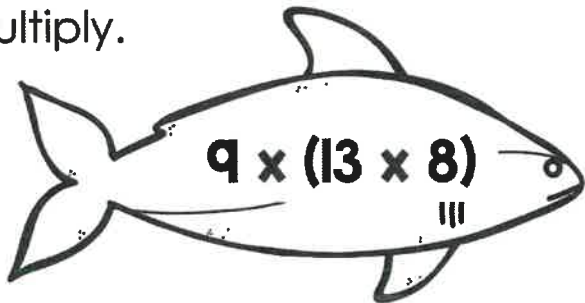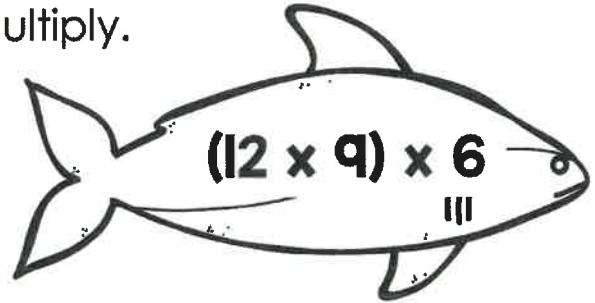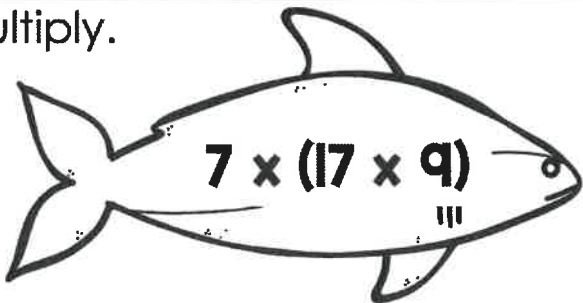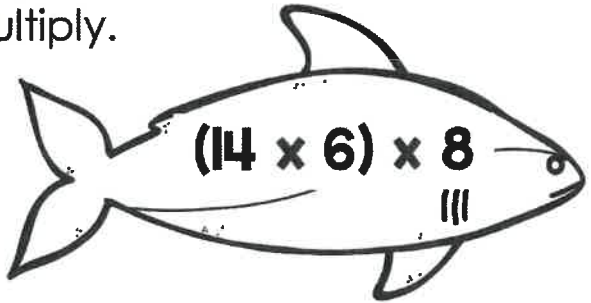
# Order of OPERATIONS

Name _____ . Date _____

---

Follow the order of operations to find the value of the expression.

$$15 + (2 \times 9)$$

---

Follow the order of operations to find the value of the expression.

$$(10 \times 7) + 4 - 20$$

---

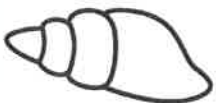Follow the order of operations to find the value of the expression.

$$5 \times (20 \times 4) - 60$$

---

Follow the order of operations to find the value of the expression.
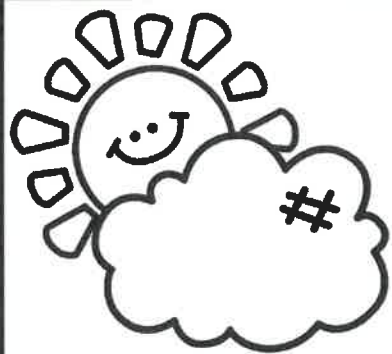
$$(63 \div 9) \times 6 - 15$$

---

Follow the order of operations to find the value of the expression.

$$65 - (45 \div 9) + 2$$

---

Follow the order of operations to find the value of the expression.

$$(4 \times 6) \times 8 - 19$$

# MULTISTEP Problems

Jane has 4 pails of shells. Each pail of shells contains 35 shells. She gives 50 shells to her brother. Then she finds 12 more shells. How many shells does Jane have now?

Kim bought 35 balloons for a party. She already had 10 balloons. She used the balloons to decorate 5 areas of the party room. How many balloons are in each area?

An ice cream shop has 10 boxes of ice cream cones. Each box contains 12 cones. They sell 3 boxes. Then they order 36 more ice cream cones. How many ice cream cones do they have now?

A popsicle cart has 12 boxes of popsicles. Each box has 12 popsicles. They sell 72 popsicles. Then they order 36 more popsicles. How many popsicles do they have now?

Anastasia and Denise need to sell 60 quarts of lemonade. Ashley sells 50 cups of lemonade and Dawn sells 40 cups of lemonade. How many cups of lemonade do they need to sell? **(1 quart = 4 cups)**

Ellie serves watermelon at a party. She slices 5 watermelons into 10 slices each watermelon. She serves 19 slices. How many slices of watermelon does she have now?
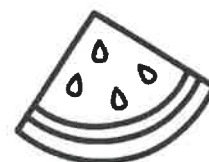
# Divide by
# MULTIPLES OF TEN

**Name** _____   **Date** _____

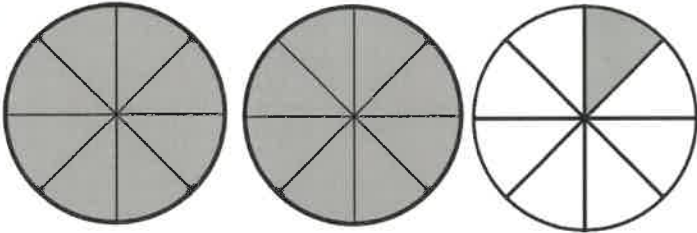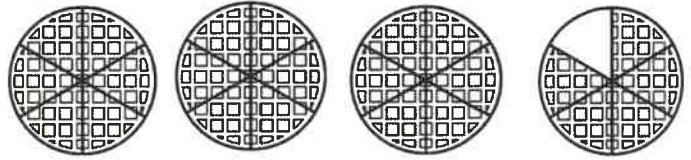| | | |
|---|---|---|
| 3,600 ÷ 120 = | 360 ÷ 120 = | 36,000 ÷ 120 = |
| 630 ÷ 70 = | 6,300 ÷ 70 = | 63,000 ÷ 70 = |
| 5,400 ÷ 90 = | 540 ÷ 90 = | 54,000 ÷ 90 = |
| 25,000 ÷ 50 = | 2,500 ÷ 50 = | 250 ÷ 50 = |
| 7,200 ÷ 80 = | 720 ÷ 80 = | 72,000 ÷ 80 = |

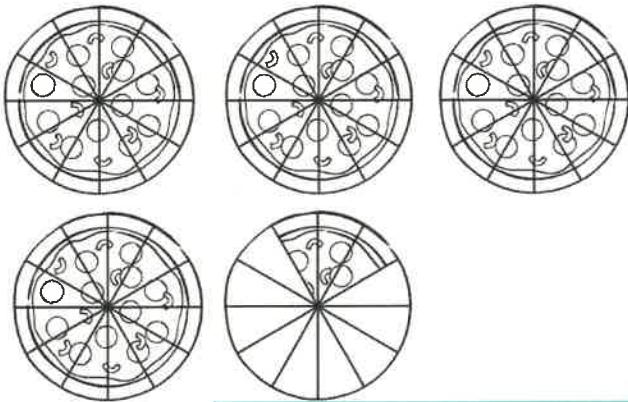# MIXED NUMBERS

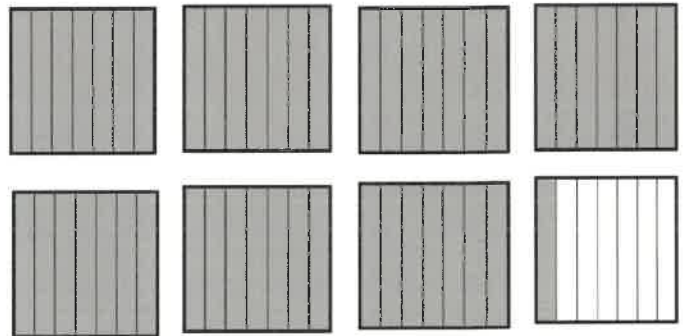Name _____          Date _____

Write the mixed number.

Write the mixed number.

Write the mixed number.

Write the mixed number.

A pizza parlor sells pizza as a whole and by slices. They have 12 whole pizza and 6 slices available. Write the mixed number of the pizza available in the pizza parlor.

Alisha buys 5 cartons of eggs. Each carton has 12 eggs. She still has three eggs in their refrigerator. Write a mixed number to show how many cartons of eggs she has.
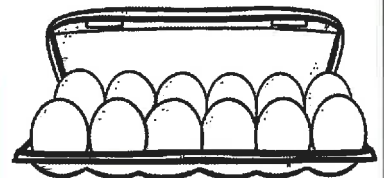
# FRACTION WORD PROBLEMS
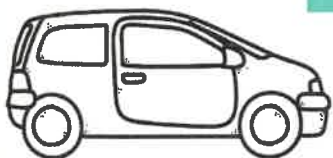
Name _____ Date _____

Nancy bakes 24 chocolate cupcakes. She put chocolate chips on 7 cupcakes. What fraction of the cupcakes have chocolate chips?

Bella buys $\frac{3}{4}$ pound of blueberries and $\frac{5}{8}$ pound of strawberries. How many pounds of fruit did she buy in all?

Dwayne buys 3 packs of toy cars. Each pack has 6 toy cars. He gets 5 red toy cars. What fraction of his toy cars are red?

Ryan is selling 35 sunglasses. Twelve of the sunglasses are black. The rest are in different colors. What fraction of his sunglasses are of different colors?
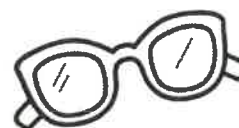
Javacia buys 3 pounds of sliced fruit. She buys $\frac{2}{3}$ pound of strawberries, $1\frac{1}{6}$ pounds of bananas. The rest of the fruit is pineapple. How much pineapple did she buy?

Howard put shells in 3 bags. Each bag has 10 shells. He gives 3 shells to Allen. What part of the shells does he have now?