

**PRACTICE TEST WITH
SAMPLE TEST ITEMS**

BASED ON GRADE LEVEL STANDARDS

ELA

FIFTH GRADE

Read the passage and answer questions 1 through 4

New Homes for Hermit Crabs

by Bart King

Hermit crabs are nature’s recyclers. Like many other crabs, the hermit crab eats waste. By living on sea scraps, hermit crabs help keep oceans and shores clean. Some hermit crabs hide in reefs or live in shallow waters, while others scuttle on the ocean floor. There are also hermit crabs that spend most of their lives ashore.

Unlike other crabs, the hermit crab has a thin outer shell over its soft tail. This makes the hermit crab easy prey for hungry predators. Hermit crabs stay safe by living in old seashells. A hermit crab is picky; it tries on many shells until it finds one that fits just right. The hermit crab backs into its new home and uses its tail and rear legs to grab onto the shell and carry it. If a predator shows up, the crab retreats into its shell and blocks the entrance with its strong claws.

During a lifetime, one hermit crab will inhabit many different seashells. As a hermit crab grows, the crab leaves its home, upgrading to a larger shell. In recent years, however, many hermit crabs have had trouble finding their perfect homes. What is the problem? There are not enough shells to go around!

One reason for the seashell shortage is that ocean water is not as clean as it once was. This has caused chemical changes to sea water. Some sea animals, like snails, are affected by these changes. Now there are fewer snails making shells. People visiting the beach often take shells home as souvenirs. This is another problem. Other people even take shells for their own pet hermit crabs! They do not realize that hermit crabs in the wild need those shells too.

The hermit crabs in the ocean have learned to adapt to the changing housing situation. Like the good recyclers they are, hermit crabs started moving into small bottles, plastic cups, and other ocean litter. None of these are very good choices for crabs.

Now people are working to solve this hermit crab housing shortage. They are teaching beach-goers to leave seashells where they belong—at the seashore! Some people even make fake seashells that they hope the hermit crabs will like. For example, a group called Project Shellter invited people who visited their website to create different designs for hermit crab shells.

These designers had a lot to consider. What kind of material should be used to build a seashell? The material must be light enough for the hermit crab to carry, but strong enough to protect the crab from predators. The fake shells could not contain glue or any other substance that might harm a hermit crab. Another challenge with

building a hermit crab home was the opening to the shell. Too big would mean the crab would not feel safe. Too small would be uncomfortable, and the crab would not want to move in.

Project Shellter designs were tested on hermit crabs in two aquariums. That way, project leaders could watch the crabs to find out which shells were their favorites. The most popular of these new hermit crab homes are made of plastic but they look like real seashells.

These artificial shells have two important purposes. People who own hermit crabs can give them to their pets. That keeps real seashells in the ocean, rather than in home aquariums. The Project Shellter shells are also placed in the wild for hermit crabs to find. Lucky hermit crabs can move into these new dream homes and leave those plastic cups behind.

1. Read the sentence and the directions that follow.

Chemical changes in the ocean waters have affected the production of seashells used by hermit crabs.

Which sentence from the paragraph **best** shows this idea?

- A. One reason for the seashell shortage is that ocean water is not as clean as it once was.
- B. This has caused chemical changes to sea water.
- C. Some sea animals, like snails, are affected by these changes.
- D. Now there are fewer snails making shells.
- E. People visiting the beach often take shells home as souvenirs.
- F. This is another problem.
- G. Other people even take shells for their own pet hermit crabs!
- H. They do not realize that hermit crabs in the wild need those shells too.

2. Read the paragraph and the directions that follow.

During a lifetime, one hermit crab will inhabit many different seashells. As a hermit crab grows, the crab leaves its home, upgrading to a larger shell. In recent years, however, many hermit crabs have had trouble finding their perfect homes. What is the problem? There are not enough shells to go around!

Which statement **best** describes the main idea of the paragraph?

- A. Moving around is common for hermit crabs.
 - B. Hermit crabs are larger today than they used to be.
 - C. Hermit crabs are displeased with the remaining seashells in the ocean.
 - D. As hermit crabs grow, fewer seashells are available for them to use as homes.
3. The author uses a word that means “fake” in the text. Which sentence has a word that means “fake”?
- A. These artificial shells have two important purposes.
 - B. People who own hermit crabs can give them to their pets.
 - C. That keeps real seashells in the ocean, rather than in home aquariums.
 - D. The Project Shelter shells are also placed in the wild for hermit crabs to find.
 - E. Lucky hermit crabs can move into these new dream homes and leave those plastic cups behind.

4. The question has two parts. First, answer part A. Then, answer part B.

Part A

Read the paragraph from the text and the directions that follow.

One reason for the seashell shortage is that ocean water is not as clean as it once was. This has caused chemical changes to sea water. Some sea animals, like snails, are affected by these changes. Now there are fewer snails making shells. People visiting the beach often take shells home as souvenirs. This is another problem. Other people even take shells for their own pet hermit crabs! They do not realize that hermit crabs in the wild need those shells too.

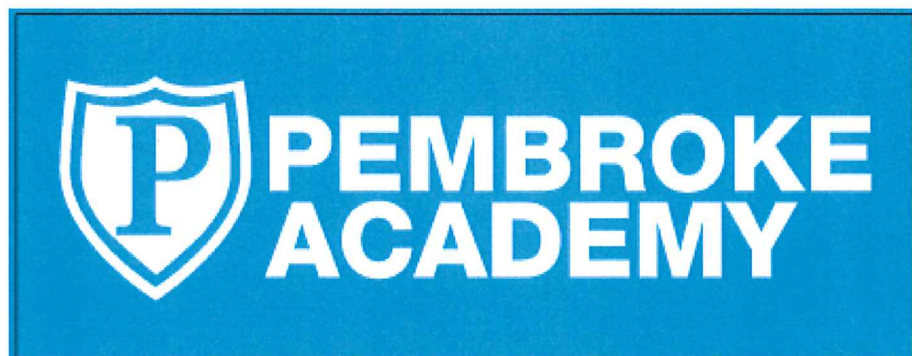
Which statement **best** describes what the information in the paragraph shows about the author’s point of view?

- A. The author believes that people visiting beaches can cause harm without knowing it.
- B. The author believes that there have been a lot of changes in the quality of water in the ocean.
- C. The author believes that snail production needs to increase to provide more homes for hermit crabs.
- D. The author believes that people visiting beaches often don’t think about how taking seashells home with them adds to the shortage of seashells for hermit crabs.

Part B

Which sentence from the text **best** supports your answer in part A. Choose **one** option.

- A. One reason for the seashell shortage is that ocean water is not as clean as it once was.
- B. This has caused chemical changes to sea water.
- C. Now there are fewer snails making shells.
- D. People visiting the beach often take shells home as souvenirs.
- E. Other people even take shells for their own pet hermit crabs!
- F. They do not realize that hermit crabs in the wild need those shells too.



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MATH

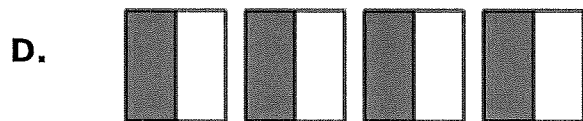
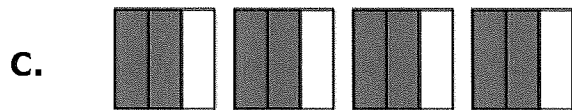
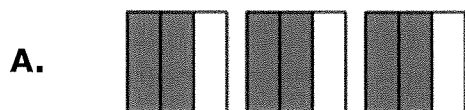
FIFTH GRADE

M-STEP Grade 5 MATHEMATICS Sample

1. Which number is equal to 10^4 ?

- A. 100
- B. 1,000
- C. 10,000
- D. 100,000

2. Which fraction model best represents $4 \times \frac{2}{3}$?



M-STEP Grade 5 MATHEMATICS Sample

3. Conner is buying tickets to a concert. The concert he and his friends want to see costs \$4.75 per ticket. Connor has \$26.00 total.

What is the **greatest** number of tickets Connor can buy?

- A. 4
- B. 5
- C. 6
- D. 7

4. Tyler is 8 years old. His sister Olivia is 4 years less than twice his age. Write a numerical expression for Olivia's age in the box below.

5. Write one number in each box to create a fraction that correctly completes each statement.

A. $4 \times \frac{\square}{\square} < 4$

B. $4 \times \frac{\square}{\square} = 4$


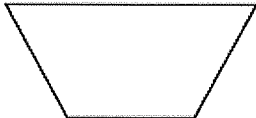
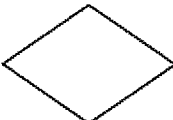
C. $4 \times \frac{\square}{\square} > 4$

M-STEP Grade 5 MATHEMATICS Sample

6. Select two fractions that can be rewritten with a denominator of 24.

- A. $\frac{1}{6}$
- B. $\frac{1}{5}$
- C. $\frac{5}{7}$
- D. $\frac{9}{10}$
- E. $\frac{1}{9}$
- F. $\frac{7}{8}$

7. All parallelograms have opposite sides that are equal in length and parallel. Determine whether each polygon shown is also a parallelogram. Select Yes or No for each polygon.

	Yes	No
 Rectangle	<input type="checkbox"/>	<input type="checkbox"/>
 Trapezoid	<input type="checkbox"/>	<input type="checkbox"/>
 Rhombus	<input type="checkbox"/>	<input type="checkbox"/>

M-STEP Grade 5 MATHEMATICS Sample

- 8.** Lola has 4 orange juice containers. Each container is $\frac{5}{8}$ full. Lola claims to have a total of $2\frac{1}{2}$ gallons of orange juice in the 4 containers.

Which of these statements must be true in order for Lola's claim to be correct?

- A.** Each container has a capacity of $\frac{5}{8}$ gallon.
- B.** Each container has a capacity of 1 gallon.
- C.** Each container has a capacity of $2\frac{1}{2}$ gallons.
- D.** Each container has a capacity of 8 gallons.
- 9.** Ryan has $\frac{1}{2}$ pound of chocolate. He divides it into 4 equal portions. Write the amount of chocolate, in pounds, in each portion in the box below.

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