## Fourth Grade

# ELA \& Mathematics Week 2 Packet 

First \& Last Name:
Teacher:
Grade: $\qquad$
School:

## WORDS TO KNOW

As you read, look inside, around, and beyond these words to figure out what they mean.

- series
- hinged
- foreign


1 If you walk along the seashore, you will probably see many kinds of shells. Seashells were once the homes of live animals. The animals that live inside shells have soft bodies, so they need their shells to protect them from harm. Their shells save them from storms or predators such as starfish, birds, and otters. Shells also give the animals a shape. In that way, shells are like skeletons on the outside of the body. When the animals die, the shells remain.

Creatures with shells belong to a group of animals called mollusks. Not all mollusks have shells. Of the mollusks that do have shells, there are two main groups.



Think Use what you learned from reading the science text to respond to the following questions.

1 Read the sentence from paragraph 1 in the passage.
Their shells save them from storms or predators such as starfish, birds, and otters.

What does the author suggest to the reader by using the word predators? Pick two choices.

A Predators can harm some animals.
B Predators need to find shelter from storms.
C An animal's shell helps protect it.
D All predators have skeletons.
E When the animal dies, the shell remains.
2 This question has two parts. First, answer Part A. Then answer Part B.

## Part A

What is the meaning of the word iridescent as it is used in paragraph 4?

A not letting light through
B easy to notice or understand
C shining with many varying colors
D a small amount of something

## Part B

Which phrase from the passage helps the reader understand the meaning of iridescent?

A "next largest group of mollusks"
B "have small holes in their shells"
C "the inside of an abalone shell"
D "gleams with different rainbow colors"

3 This question has two parts. First, answer Part A. Then answer Part B.

## Part A

What is the meaning of the word bivalve as it is used in paragraph 5?
A having a hard outer shell
B having a shell with two pieces
C having a soft outer shell
D having a shell that is all one piece

## Part B

Underline the two phrases in paragraph 5 that best support your answer in Part A.

After univalves, bivalves are the next largest group of mollusks. When a bivalve is alive, the two parts of its shell are hinged. After the animal dies, you may find just one part of the shell lying on the beach.

4 Read the sentence from the passage.
The jackknife clam has an appropriate name because it has about the same shape as a closed jackknife.

What does the author tell the reader by using the word appropriate? Pick two choices.

A Bivalves are the largest group of mollusks.
B Jackknife describes the shape of the clam.
C An angel wing is a good name for the clam.
D Jackknife is a good name for the clam.
E The clam looks like an open jackknife.
F A jackknife folds into its own case.

## Write

5 Short Response What does the author tell the reader by using the underlined word in the sentence below from paragraph 8? How do the details in the paragraph further develop this idea? Include one or more context clues from the text to support your response.

A pearl is an accident.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Learning Target

In this lesson, you learned to use context clues to figure out the meaning of unfamiliar words or phrases. Explain how using context clues deepened your understanding of the text.



## Explore How do context clues help you figure out the meaning of unfamiliar words in "Out to Win"?

## Think

1 Complete the chart below to show what you have figured out about the meanings of the words.


Context clues can appear before or after the sentence having an unfamiliar word.

| Unknown <br> Word | Context | Possible <br> Meaning | Clues |
| :--- | :--- | :--- | :--- |
| dissatisfied |  |  |  |
|  |  |  |  |
| obsessed |  |  |  |
| nemesis |  |  |  |

## Talk

2 Explain the meaning of the word opportunity (paragraph 3). What context clues help you understand what the word means?

## Write

3 Short Response Explain the meaning of opportunity (paragraph 3). Also include the context clues that helped you figure out the meaning of the word. Use the space provided on page 276 to write your response.

## Write Use the space below to write your answer to the question on page 273.



3 Short Response Explain the meaning of opportunity (paragraph 3). Also include the context clues that helped you figure out the meaning of the word.

## HINT Reread

 paragraph 3 to find all the clues to the meaning of opportunity.$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


Don't forget to check your writing.

## Check Your Writing

$\square$ Did you read the prompt carefully?
$\square$ Did you put the prompt in your own words?
$\square$ Did you use the best evidence from the text to support your ideas?Are your ideas clearly organized?
$\square$ Did you write in clear and complete sentences?
$\square$ Did you check your spelling and punctuation?

## Modeling Multi-Step Problems

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## Write an equation to represent each problem. Show your work.

1 The Lopez family goes to the movies. They buy 2 adult tickets for $\$ 6$ each and 3 child tickets for $\$ 4$ each. Write an equation to represent how much money the family spends on movie tickets, $t$.

2 Grace earns $\$ 5$ each time she walks her neighbor's dog. She walks the dog 5 times in one week. Then she spends $\$ 7$ on a book and $\$ 9$ on a building set. Write an equation to represent how much money Grace has left, $m$.

3 During the basketball game, Mika makes 3 baskets worth 2 points each, 2 baskets worth 3 points each, and 2 free throws worth 1 point each. Write an equation to represent how many points Mika scores, $p$.

4 Will has 20 pounds of apples. He makes 2 batches of applesauce that use 4 pounds each, one batch of apple butter that uses 6 pounds, and he uses 3 pounds to make juice. Write an equation to represent how many pounds of apples Will has left, $p$.

5 What strategies did you use to write an equation?

6 Is there another way you could write one of your equations? Could you write it as two equations? Explain.

## Solving Multi-Step Problems

## Write and solve an equation for each problem. Show your work.

1 Tasha spends 25 minutes reading on Wednesday night. She spends 17 more minutes reading on Thursday than she did on Wednesday. Write and solve an equation to find how many minutes Tasha spent reading on Wednesday and Thursday nights.

2 Erik has 2 bags of bird seed. One bag has 10 pounds of seed, and the other bag has 8 pounds of seed. He fills 7 bird feeders with 2 pounds each. Write and solve an equation to find how many pounds of bird seed are left.

Tasha spent $\qquad$ minutes reading.

There are $\qquad$ pounds left.

3 There are 15 boys and 19 girls in math club. The tables in Mrs. Miller's classroom seat 4 students each. Write and solve an equation to find how many tables Mrs. Miller will need.

4 Frankie earns \$5 each time he babysits his little sister. He has saved \$30. Frankie wants to save $\$ 52$ to buy a new skateboard. Write and solve an equation to find how many more times Frankie will need to babysit.

Mrs. Miller will need $\qquad$ tables.

Frankie will need to babysit $\qquad$ more times.

5 How can you estimate to check one of your answers? Show your work.

# Multiplying a Three-Digit Number by a One-Digit Number 

$\qquad$

Find the product.

1. $500 \times 4=$ $\qquad$
$501 \times 4=$ $\qquad$
$506 \times 4=$ $\qquad$
(2) $300 \times 2=$ $\qquad$ $299 \times 2=$ $\qquad$ $298 \times 2=$ $\qquad$
(3) $400 \times 3=$ $\qquad$ $405 \times 3=$ $\qquad$
$410 \times 3=$ $\qquad$
(4) $499 \times 6=$ $\qquad$
(5) $706 \times 3=$ $\qquad$ (6) $195 \times 5=$ $\qquad$

7 What pattern do you notice in problem 2? How could it help you solve a problem such as $297 \times 2$ ?

8 Choose problem 4, 5, or 6. Explain how you could check your answer.

## Multiplying a Four-Digit

$\qquad$

Estimate. Circle all the problems that will have products between 18,000 and 32,000. Then find the exact products of only the problems you circled. Show your work.
$18,491 \times 2=$
(2) $6,148 \times 4=$ $\qquad$ (3) $7,062 \times 5=$ $\qquad$
4. $4,362 \times 5=$ $\qquad$
(5) $1,789 \times 8=$ $\qquad$ ( $2,206 \times 9=$ $\qquad$
$77,218 \times 4=$ $\qquad$ $89,821 \times 3=$ $\qquad$ (9) $4,762 \times 6=$ $\qquad$
$106,739 \times 6=$ $\qquad$ $117,964 \times 4=$ $\qquad$ $123,618 \times 7=$ $\qquad$

13 What strategies did you use to solve the problems? Explain.
$\qquad$

Estimate each multiplication problem to check if the student's answer is reasonable. If not, cross out the answer and write the correct answer.

| Multiplication Problems | Student Answers |  |
| :---: | :---: | :---: |
| $14 \times 17$ | $\begin{aligned} & 2,380 \\ & 238 \end{aligned}$ | Estimate: $14 \times 20=280$ |
| $15 \times 19$ | 285 |  |
| $21 \times 18$ | 3,078 |  |
| $16 \times 13$ | 28 |  |

$\qquad$

| Multiplication Problems | Student Answers |
| :--- | :--- |
| $13 \times 31$ | 403 |
|  |  |
|  |  |
| $18 \times 17$ | 3,056 |

$21 \times 15$
3,015
$12 \times 22$
2,604

1 How does estimating a multiplication problem help you know if an answer is reasonable?

## Division in Word Problems

## Use a strategy of your choice to solve each problem.

1 There are 5 times as many tulips as rose bushes in a garden. There are 15 tulips. How many rose bushes are in the garden?

There are $\qquad$ rose bushes in the garden.

3 There are 18 blueberries in a bowl. There are 3 times as many blueberries as strawberries in the bowl. How many strawberries are in the bowl?

There are $\qquad$ strawberries in the bowl.

5 A tile pattern has 6 times as many white squares as gray squares. There are 48 white tiles in the pattern. How many gray tiles are there?

There are $\qquad$ gray tiles in the pattern.

7 Erik sees 42 stars in the sky on Tuesday night. This is 7 times as many stars as he sees on Monday night. How many stars does Erik see on Monday night?

Erik sees $\qquad$ stars on Monday night.

2 Kelly has 2 times as many quarters as dimes. She has 18 quarters. How many dimes does she have?

Kelly has $\qquad$ dimes.

4 Amanda swims for 16 minutes. This is 4 times as many minutes as Julio swims. How many minutes does Julio swim?

Julio swims $\qquad$ minutes.

6 Leah has 3 times as many country songs as she has pop songs on her MP3 player. She has 27 country songs. How many pop songs does Leah have?

Leah has $\qquad$ pop songs.

8 Lucas spends 72 minutes cleaning his room. This is 8 times as long as it takes him to wash the dishes. How long does it take Lucas to wash the dishes?

It takes Lucas $\qquad$ minutes to wash the dishes.

9 Write and solve a word problem for this equation: $6 \times n=54$
$\qquad$

The answers to problems 1-12 are mixed up at the bottom of the page. Cross out the answers as you complete the problems.
$1606 \div 2=$ $\qquad$
(2) $606 \div 3=$ $\qquad$ (3) $903 \div 3=$ $\qquad$
(4) $408 \div 8=$ $\qquad$ (5) $243 \div 3=$ $\qquad$ (6) $721 \div 7=$ $\qquad$
$7545 \div 5=$ $\qquad$
(8) $488 \div 8=$ $\qquad$ $9816 \div 4=$ $\qquad$
$10728 \div 8=$ $\qquad$
$11459 \div 9=$ $\qquad$
12 $366 \div 6=$ $\qquad$

13 What strategies did you use to solve the problems?

14 Explain how to use multiplication to check your answer to problem 10.

## Answers

91
303
61
202
204
109
81
51
301
103
51
61

## Dividing with Estimation and Area Models

$\qquad$

Check the student's answer by multiplying the quotient by the divisor and adding the remainder. If an answer is incorrect, cross out the answer and write the correct quotient, including the remainder.

| Division Problems | Student |  |
| :---: | :---: | :---: |
| $637 \div 4$ | $\begin{aligned} & \text { T49R1 } \\ & 159 R 1 \end{aligned}$ | Check: $149 \times 4=596$ $596+1=597$ |
| $139 \div 2$ | 69 R 1 |  |
| $188 \div 5$ | $38 R 2$ |  |
| $344 \div 6$ | 57 R 3 |  |
| $458 \div 9$ | 58 R 8 |  |
| $222 \div 7$ | 31 R 5 |  |
| $692 \div 8$ | 85 R 4 |  |
| $479 \div 3$ | 169 R 2 |  |

1 Write a word problem that could be solved by one of the problems.

2 Can an answer be incorrect even if it looks reasonable? Explain.

