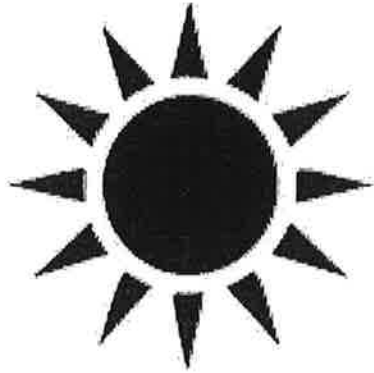


NTI DAY 25



Harrison County Schools

Name: _____

Grade: **3**_____

Teacher: _____

Complete within 2 weeks of returning to school.

NTI 25

Reading Directions

1. Answer comprehension questions
“The Journey: Stories of Migration”.
(Use the book to find answers!)
2. Fill in the answer bubble sheet with
your answers.

Comprehension

Answer Numbers 1 through 10. Base your answers on the article “The Journey: Stories of Migration.”

- 1 Read this sentence from the article.

There are few migrations as dramatic and frightening as when the desert locusts are moving across Africa.

What does the author mean by the word *dramatic* in the sentence above?

- (A) easy
 - (B) entertaining
 - (C) exciting
 - (D) exhausting
- 2 How does a locust look DIFFERENT from a grasshopper?
- (F) A locust turns black.
 - (G) A locust turns green.
 - (H) A locust turns dark yellow or red.
 - (I) A locust turns bright orange or pink.

- 3 Read this sentence from the article.

And in the sudden darkness there is a terrible thunderous noise.

Why did the author use the word *thunderous* in the sentence above?

- (A) to show how soft the noise was
 - (B) to show how loud the noise was
 - (C) to show how scary the noise was
 - (D) to show how scratchy the noise was
- 4 Read this sentence from the article.

Within minutes they will fly off again, leaving behind them a totally devastated landscape.

What does the author mean by the word *devastated* in the sentence above?

- (F) beautiful
- (G) different
- (H) interesting
- (I) ruined

**The Journey:
Stories of Migration**
Comprehension

- 5 How does the landscape look DIFFERENT after the locusts have flown through?
- (A) All of the lakes have dried up.
 - (B) All of the plants have been eaten.
 - (C) All of the grasshoppers have laid eggs.
 - (D) All of the locusts have blocked out the sun.

- 6 How are today's locust swarms DIFFERENT from those in ancient times?
- (F) Today's swarms fly lower.
 - (G) Today's swarms are larger.
 - (H) Today's swarms are smaller.
 - (I) Today's swarms eat more plants.

- 7 How is the migration of the gray whale DIFFERENT from the migration of other mammals?
- (A) Gray whales change color before migration.
 - (B) Gray whales go farther than other mammals.
 - (C) Gray whales do not go as far as other mammals.
 - (D) Gray whales do not change colors before migration.

- 8 Read this sentence from the article.

The whales eat and eat and eat, straining the tiny food through strips of baleen in their mouths.

What does the author mean by the word *straining* in the sentence above?

- (F) to swallow
- (G) to push violently
- (H) to stretch beyond the limit
- (I) to remove by passing through

**The Journey:
Stories of Migration**

Comprehension

- 9 How are the Arctic waters DIFFERENT from the waters along California and Mexico?
- (A) The Arctic waters have less food.
 - (B) The Arctic waters are much colder.
 - (C) The Arctic waters are much dirtier.
 - (D) The Arctic waters have more people fishing there.

- 10 How are gray whales and locusts DIFFERENT?
- (F) Gray whales are fish, and locusts are insects.
 - (G) Gray whales migrate, but locusts stay in one place.
 - (H) Gray whales live in the sea, but locusts live in the desert.
 - (I) Gray whales lay eggs, but locusts give birth to live young.

Mark Student Reading Level:

___ Independent ___ Instructional ___ Listening

Compare and Contrast, Author's Word Choice,
Anchor Text

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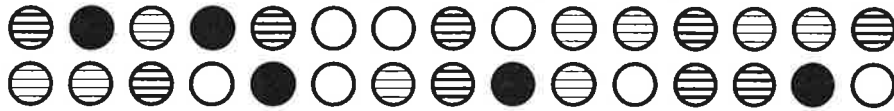


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- 1. (A) (B) (C) (D)
- 2. (F) (G) (H) (I)
- 3. (A) (B) (C) (D)
- 4. (F) (G) (H) (I)
- 5. (A) (B) (C) (D)
- 6. (F) (G) (H) (I)
- 7. (A) (B) (C) (D)
- 8. (F) (G) (H) (I)
- 9. (A) (B) (C) (D)
- 10. (F) (G) (H) (I)

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

Form Identifier — DO NOT MARK



Name _____



Solve & Share

Draw 2 different rectangles with a perimeter of 10 units. Find the area of each rectangle. Compare the areas. *Solve this problem any way you choose.*

Be precise when drawing and finding the perimeter and area. Think about how perimeter and area are measured and recorded.



Lesson 16-4

Same Perimeter, Different Area

I can ...

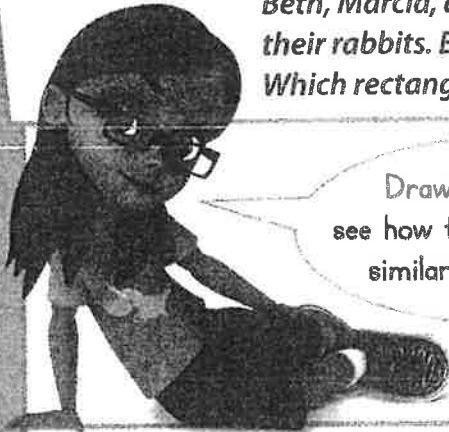
understand the relationship of shapes with the same perimeter and different areas.

© Content Standards 3.MD.D.8, 3.MD.C.7b
Mathematical Practices MP.1, MP.2, MP.3,
MP.6, MP.7, MP.8

Look Back! © MP.3 Construct Arguments Explain why the rectangles have different areas.

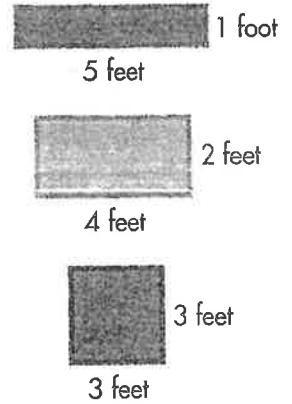
Can Rectangles Have Different Areas but the Same Perimeter?

A



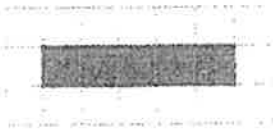
Beth, Marcia, and Nancy build rectangular pens for their rabbits. Each pen has a perimeter of 12 feet. Which rectangular pen has the greatest area?

Drawings help you see how the rectangles are similar and different.



B

Beth's Plan



Find the perimeter:
 $P = 5 + 1 + 5 + 1 = 12$ feet

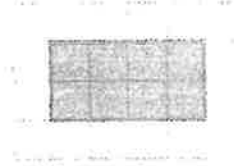
To find the area multiply the number of rows by the number of square units in each row.

$$A = 1 \times 5 = 5 \text{ square feet}$$

Beth's pen has an area of 5 square feet.

C

Nancy's Plan



Find the perimeter:
 $P = 4 + 2 + 4 + 2 = 12$ feet

Find the area:
 $A = 2 \times 4 = 8$ square feet

Nancy's pen has an area of 8 square feet.

D

Marcia's Plan



Find the perimeter:
 $P = 3 + 3 + 3 + 3 = 12$ feet

Find the area:
 $A = 3 \times 3 = 9$ square feet

Marcia's pen has an area of 9 square feet.

Marcia's pen has the greatest area.

Convince Me! © MP.8 Generalize Find possible rectangular pens that have a perimeter of 14 feet. Do they have the same area? What can you generalize from this information?

☆ Guided Practice *

Do You Understand?

1. © MP.7 Look for Relationships In the problem on page 866, what do you notice about the area of the rectangles as the shape becomes more like a square?
2. Austin is building a rabbit pen with 25 feet of fence. What are the dimensions of the rectangle he should build to have the greatest possible area?

Do You Know How?

In 3–6, use grid paper to draw two different rectangles with the given perimeter. Tell the dimensions and area of each rectangle. Circle the one that has the greater area.

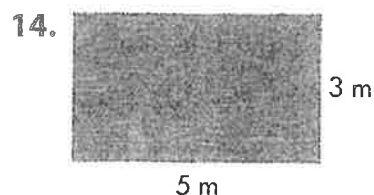
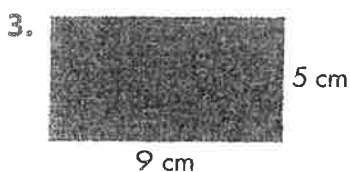
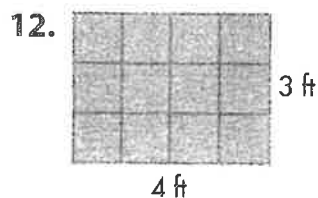
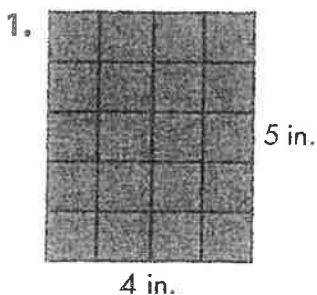
- | | |
|--------------|-------------------|
| 3. 16 feet | 4. 20 centimeters |
| 5. 24 inches | 6. 40 meters |

☆ Independent Practice ☆

In 7–10, use grid paper to draw two different rectangles with the given perimeter. Tell the dimensions and area of each rectangle. Circle the one that has the greater area.

- | | | | |
|--------------|-------------------|-------------|-------------|
| 7. 10 inches | 8. 22 centimeters | 9. 26 yards | 10. 32 feet |
|--------------|-------------------|-------------|-------------|

Leveled Practice In 11–14, describe a different rectangle with the same perimeter as the one shown. Then tell which rectangle has the greater area.

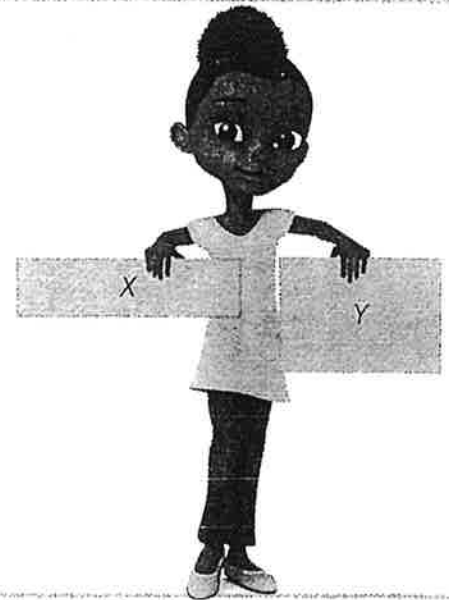


Math Practices and Problem Solving

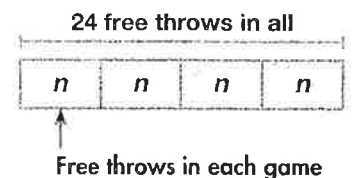
15. © **MP.8 Generalize** Trish is breaking ground for a rose garden in her back yard. The garden will be a square with a side of 7 meters. What will be the area of the rose garden?

16. © **MP.3 Critique Reasoning** Karen drew a rectangle with a perimeter of 20 inches. The smaller side measured 3 inches. Kar said the longer side of the rectangle had to be 7 inches. Is she correct?

17. **Higher Order Thinking** Rectangles X and Y have the same perimeter. Without measuring or multiplying, how can you tell which rectangle has the greater area?



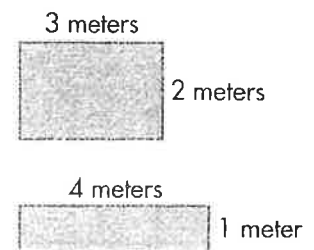
18. **Algebra** Marcus made the same number of free throws in each of 4 basketball games. Each free throw is worth 1 point. If he made a total of 24 free throws, how many did he make in each game? How many free throw points did he make in each game?



Common Core Assessment

19. Choose all of the statements that are true about the figures at the right.

- They have the same side lengths.
- They have different side lengths.
- They have the same perimeter.
- They have a different area.



Name _____

Assessment

1

$$\begin{array}{r} 694 \\ - 467 \\ \hline \end{array}$$

2

Two pennies, 2 nickels, and 2 dimes are lost in the grass. What is a possible combination of 2 coins you find?

- 1 penny, 1 dime
- 1 dime, 1 quarter

3

About how much would it cost to buy a new bike?

- \$30.00
- \$300.00
- \$3,000.00

4

Derek sold 6 almond bars, 5 caramel bars, 7 crispy bars, 8 coupon books, and 3 peanut bars to raise money for his baseball team. Write the solution sentence to show how many candy bars he sold.

5

Write the number sentence for finding the difference between 452 and 731.

6

Write > or < to make each number sentence true.

4,234 4,274

6,067 4,057

31,710 31,615

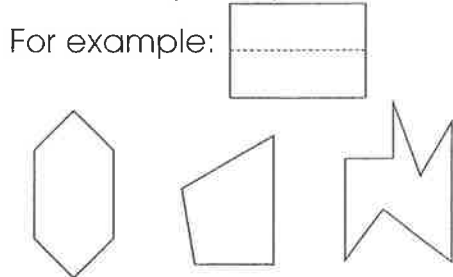
7

691 =

- 600 + 90 + 1
- 60 + 9 + 1
- 600 + 10 + 9
- 6 + 90 + 1

8

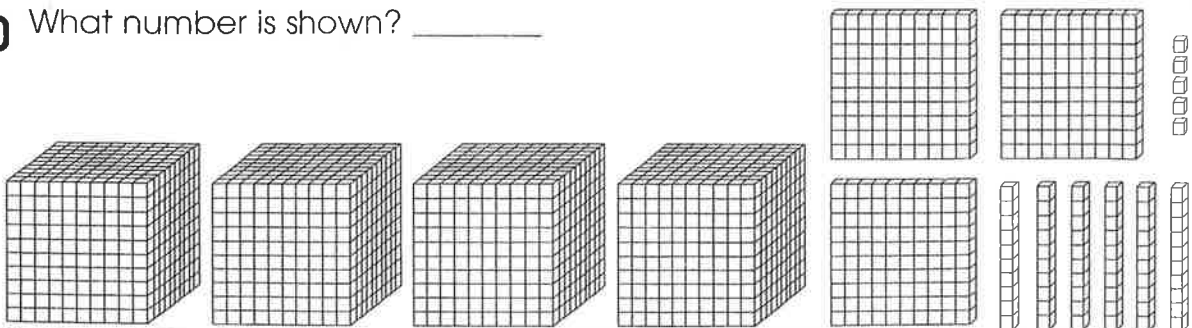
Which shape is symmetrical? Circle.



9

Mrs. Tanner's class took a field trip to the zoo. The class arrived back at school at 2:00. Their trip and the zoo visit lasted five and one-half hours. At what time did their trip begin?

10 What number is shown? _____



Technology Day 25

2nd-5th Grades

Pick one of the activities below.

On-line activities: Go to the following website and practice determining which devices are input or output.

https://www.abcya.com/games/input_output

OR

Unplugged Activity: Use the pictures on the next page to create a T-chart of Input and Output devices that we use. Cut out the pictures and glue them on the T-chart.

Input	Output

