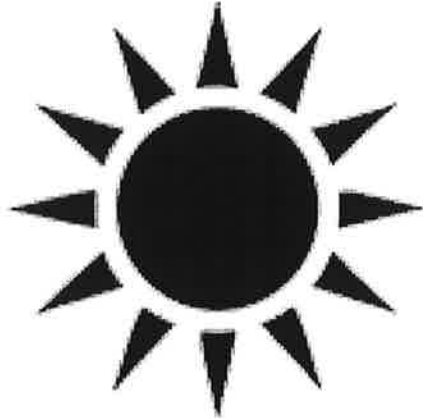


# NTI DAY 22



Harrison County Schools

Name: \_\_\_\_\_

Grade: 3

Teacher: \_\_\_\_\_

**Complete within 2 weeks of returning to school.**

# NTI 22

## Reading Directions

1. Have your student reread the story from NTI day 21. If you would prefer, check out the 3rd Grade Blog to listen to the story instead.
2. Complete the short answer questions for “The Journey: Stories of Migration” .
  - a. Restate each question.
  - b. Write in complete sentences.

## The Journey Stories of Migration

NAME \_\_\_\_\_

1. What does vegetation mean? Which words or phrases are clues that help you understand its meaning? (p. 243)
2. Why are swarms of locusts dangerous for cars?
3. Name 2 ways people were trying to get rid of the locusts on page 245. Do you think their approach would work? Why or why not?
4. How is the amount of food available for grasshoppers related to the reason they sometimes become locusts?
5. What is baleen?
6. How are the winter changes in the Arctic seas connected to the whales' reason for migrating?
7. How does the map on page 252 help you understand the passage?
8. The author doesn't explain why whales migrate as a group and stay together when they are in the warm Pacific waters. What might be a reason for them to stay in a group?

Name \_\_\_\_\_

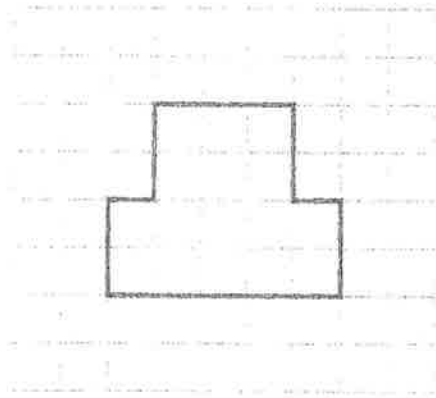


## Lesson 16-1

### Understand Perimeter

#### Solve & Share

Troy made a drawing of his garden. Each square in the grid below has a side length of 1 foot. Find the distance around Troy's garden. Then use grid paper to draw a different garden shape that has the same distance around. *Solve this problem any way you choose.*



*Be precise when finding the total distance. You know the length of each side of the garden. Show your work in the space below!*

#### I can ...

find the perimeter of different polygons.

© **Content Standard** 3.MD.D.8  
**Mathematical Practices** MP.1, MP.2, MP.3, MP.4, MP.6



**Look Back!** © **MP.6 Be Precise** Use words, numbers, and symbols to explain how you found the distance around Troy's garden.



A

Gus wants to put up a fence to make a dog park. He made two different designs. What is the perimeter of each dog park design? Which design should Gus use?

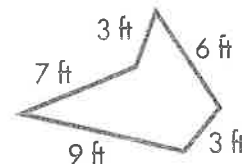


The distance around a figure is its perimeter.



The perimeter of the dog park needs to be at least 30 feet.

scale:  $\text{H} = 1 \text{ ft}$



### B One Way

You can find the perimeter by counting unit segments.

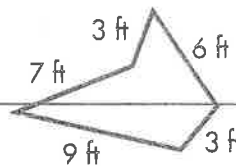


scale:  $\text{H} = 1 \text{ ft}$

The perimeter is 34 feet.  
 $34 > 30$ . Gus could use this design.

### C Another Way

Add the lengths of the sides to find the perimeter.



$3 + 9 + 7 + 3 + 6 = 28$   
The perimeter is 28 feet.  
 $28 < 30$ . Gus could not use this design.

**Convince Me!** © MP.4 Model with Math Draw a different dog park design that Gus could use. Find the perimeter of your design.

# ☆ Guided Practice ☆

## Do You Understand?

1. What is the perimeter of the garden shown in the diagram below?



scale:  $\text{—|—} = 1$  foot

2. © MP.6 Be Precise In Exercise 1, how do you know what unit to use for the perimeter?

## Do You Know How?

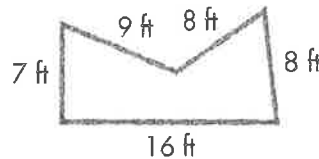
In 3 and 4, find the perimeter.

3.



scale:  $\text{—|—} = 1$  inch

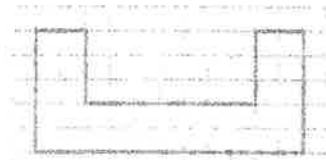
4.



# ☆ Independent Practice ☆

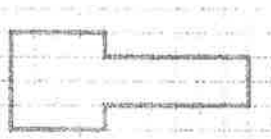
**Leveled Practice** In 5–7, find the perimeter of each polygon.

5.



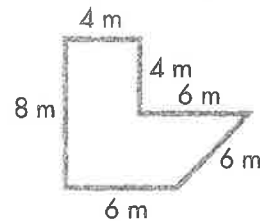
scale:  $\text{—|—} = 1$  m

6.

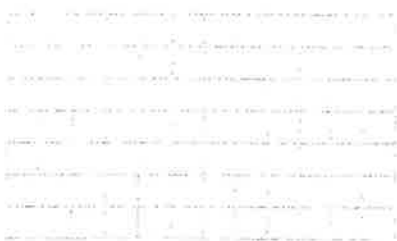


scale:  $\text{—|—} = 1$  in.

7.



8. On the grid below, draw a figure with a perimeter of 20 units.



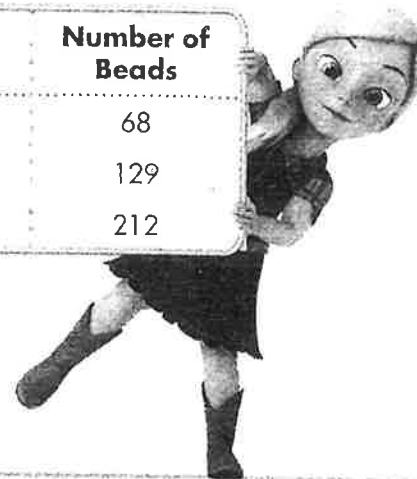
You can draw many different shapes that have the same perimeter.



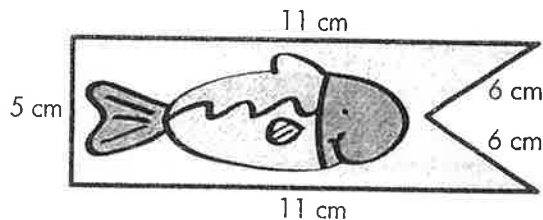
# Math Practices and Problem Solving

9. **MP.4 Model with Math** Niko makes beaded necklaces in three different sizes. How many more beads does it take to make 2 medium necklaces than 1 large necklace? Write equations to solve.

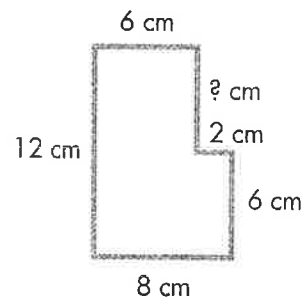
Size of Necklace	Number of Beads
Small	68
Medium	129
Large	212



10. Jani put this sticker on his notebook. What is the perimeter of the sticker?

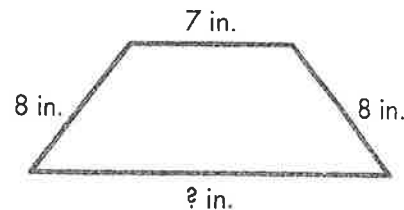


11. **MP.2 Reasoning** What is the perimeter of the cloth patch outline below?



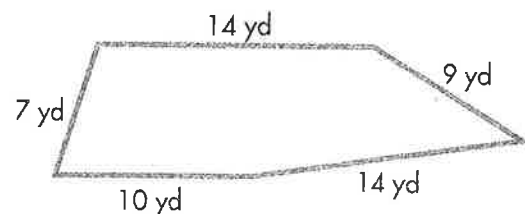
12. **Number Sense** Jenny needs 425 cubes. There are 275 cubes in a large bag. There are 175 cubes in a small bag. Will one large bag and one small bag have enough cubes? Explain.

13. **Higher Order Thinking** The perimeter of this trapezoid is 40 inches. What is the length of the missing side?



## Common Core Assessment

14. Mr. Karas needs to find the perimeter of the patio shown at the right. What is the perimeter of the patio? How can Mr. Karas find the perimeter?



1

$$\begin{array}{r} 13 \\ \times 3 \\ \hline \end{array}$$

2

$5 \times 5 = \square$

$4 \times 4 = \square$

$8 \times 8 = \square$

3

About how much would it cost a family of four to visit a theme park for a day?

- \$1,000.00
- \$10.00
- \$100.00
- \$0.10

4

Mary bought 4 new outfits. Gail bought 3 times as many as Mary, and Lisa bought 13 new outfits. Show how to find the total number of new clothes the girls bought. \_\_\_\_\_

5

Which are the other names for  $7 \times 8$ ?

- $7 + 8$
- 56
- $7 + 7 + 7 + 7 + 7 + 7 + 7 + 7$
- $8 + 8 + 8 + 8 + 7 + 7 + 7 + 7$
- $8 \times 7$

6

Write these numbers in order from least to greatest.

- 26,150 \_\_\_\_\_
- 20,265 \_\_\_\_\_
- 206,000 \_\_\_\_\_
- 173,256 \_\_\_\_\_
- 2,902 \_\_\_\_\_

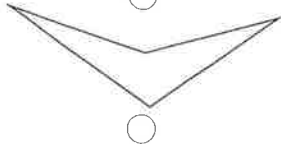
7

Which number equals  $800,000 + 30,000 + 6,000 + 200 + 5$ ?

- 800,300,205
- 836,025
- 836,250
- 836,205

8

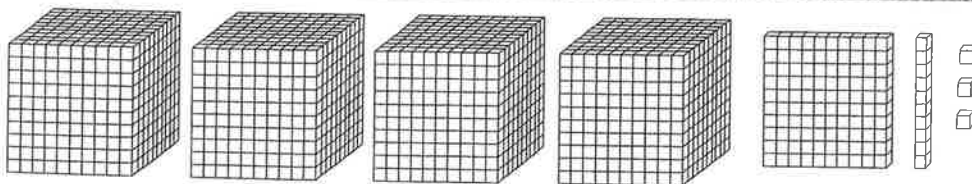
Which shape is a pentagon?



9

Show how to find the value of 7 dollar bills, 8 quarters, 9 dimes, and 4 nickels. \_\_\_\_\_

10

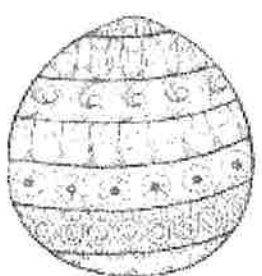
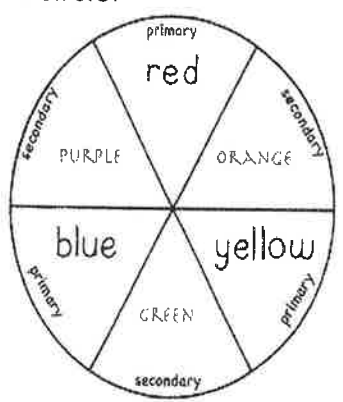


Subtract  $6 \square = \underline{\hspace{2cm}}$



# NTI Art at Home K-5

Directions: For NTI day 22, choose one activity (different from day 12) to complete for art class. Use any materials you have at home to complete the challenge. Take your time and have FUN!

<p>Draw an egg and fill it with zentangle designs.</p> 	<p>*** Create something out of found objects (recycled goods, things found in nature, etc.). ***</p> <p>Parent Initial: _____</p>	<p>*** Create a beautiful flower out of the materials of your choice (collage, draw, paint, crayons, house hold items). ***</p> <p>Parent Initial: _____</p>
<p>Collage: a piece of art created by combining photos, magazine clippings, or other materials onto a surface such a paper and cardboard (pizza boxes, cereal boxes).</p> <p>Create an "All About ME" collage.</p>	<p>*** Using household items, create a color wheel by correctly arranging the items in a circle. ***</p>  <p>Parent Initial: _____</p>	<p>Research an artist. Complete an Artist Study.</p> <ul style="list-style-type: none"> <li>- What materials did this artist use?</li> <li>- What are some of their famous works of art?</li> <li>- In your own words describe their art.</li> <li>- Optional: Create your own work in the style of the artist you chose.</li> </ul>
<p>Watch art lesson with Mrs. Smiley!</p> <p><a href="https://m.youtube.com/watch?v=OZ1Gb7dirb4&amp;feature=youtu.be">https://m.youtube.com/watch?v=OZ1Gb7dirb4&amp;feature=youtu.be</a></p>	<p>Illustrate a character from your favorite book.</p>	<p>Find a photograph or picture of a person, place, or object and sketch it.</p>

**Any activity with \*\*\*:** If possible, please upload a photo of your activity on ClassDojo, School Facebook Site, email to [chelsey.smiley@harrison.kyschools.us](mailto:chelsey.smiley@harrison.kyschools.us) or any other school site. These activities also need a parent initial in that box and returned to school. Any other activities will need to be returned to school.

If having difficulty with blank paper, use the back of this sheet.