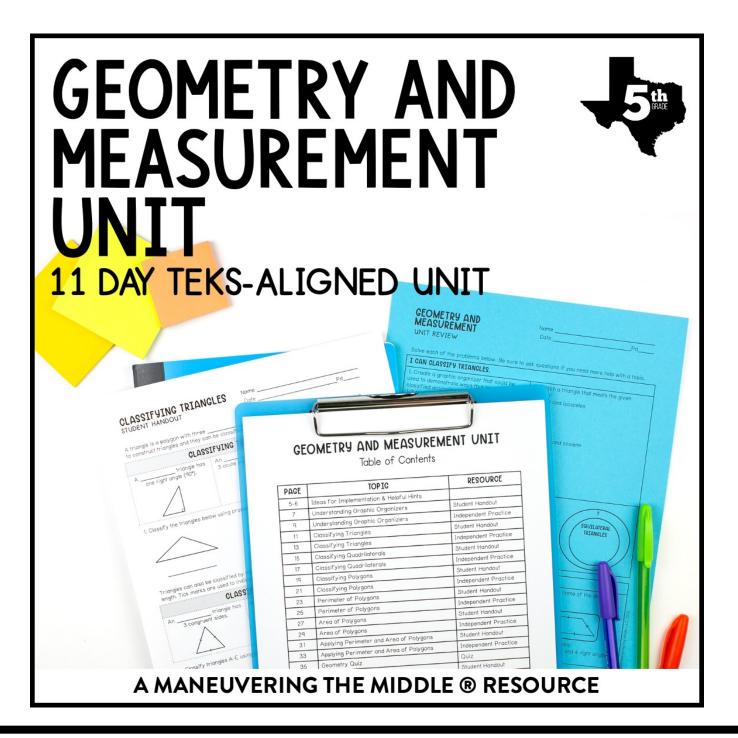
learning focus:

classify triangles, quadrilaterals, polygons in graphic organizers

solve problems related to perimeter and area of polygons

convert units within the metric and customary measurement system



GEOMETRY AND MEASUREMENT

a 11 day TEKS-aligned unit TEKS: 5.4H, 5.5A, 5.7A

ready-to-go, scaffolded student materials

GEOMETRY AND MEASUREMENT UNIT

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TEKS

A MANEUVERING THE MIDDLE® RESOURCE

GEOMETRY AND MEASUREMENT 🗸

a 11 day TEKS-aligned unit TEKS: 5.4H, 5.4A, 5.7A

student friendly + real-world application

| UNDERSTANDING GRAPHIC Name ORGANIZERS Date STUDENT HANDOUT | scaffolded concepts |
|---|--|
| Graphic organizers can be used to classify items into groups based on characteristics of items. Using the graphic organizer below, place the items in the category you think it best A. GALA APPLE D. CHIPS B. CARROT E. ENVY APPLE C. BLUEBERRIES F. COOKIES • Are all apples a fruit? Explain how the graphic organizer supports your thinking. • Are all food items a fruit? Explain how the graphic organizer supports your thinking. | |
| If an item is placed in the "apple" category, what other categories can you assume it The categories in this graphic organizer represent a A category inside a set is A subset has all the characteristics of the set, as we can see all apples an | AREA OF POLYGONS NamePdPd |
| Graphic organizers can be useful to classify geometric figures. Different figures have characteristics called The box below describes the properties of a The box below describes the properties of a POLYGON • Atwo-dimensional figure withsides • Polygons are named by their number of • Ex: 3-sided figure:4-sided figure: 1. Use the properties of a polygon to place the letter of each shape in the appropriate on the graphic organizer. Then answer questions a and b. 20 FIGUR a. Reese knows that all two-dimensional figures are flat shapes. Will all polygons be flat shapes? Explain your thinking. b. Use the graphic organizer to complete the sentence below: All are but not all are | $ \begin{array}{c} 7.6 \text{ in} \\ \hline 7.6 \text{ in} \\ \hline \hline 7.6 \text{ in} \\ \hline 12 \text{ in} \\ \hline 12 \text{ in} \\ 3 \text{ in} \\ 12 \text{ in} \\ 3 \text{ in} \\ 3 \text{ in} \\ \hline 7 \text{ in} \\ \hline 3 \text{ in} \\ \hline 7 \text{ in} \\ 7 \text{ in} \\ $ |
| lf-checking 🚄 | A rectangular binder has a width of 8.7 inches and a length of 11.2 inches. What is the area, in square inches, of the binder? An artist is painting on a square canvas with side length of 14 inches. What is the area, in inches, of the canvas? 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 7 7 7 6 7 7 |
| actice | A: 90 in ² W: 56 in ² O: 56.76 in ² G: 132 in ² Y: 97.44 in ² C: 39.8 in ² WHAT DO YOU CALL AN EMPTY PARROT CAGE? A $ -$ |

A MANEUVERING THE MIDDLE® RESOURCE

GEOMETRY AND MEASUREMENT

5th

a 11 day TEKS-aligned unit TEKS: 5.5A, 5.7A, 5.4H

unit study guide + assessments

| GEOMETRY QUIZ | Name Date | Pd | \checkmark | quizze | S | |
|---|---|--|---|---|---|---|
| Answer the questions below. Be sure to show 1. Mr. Reed wrote the following statements or I. A quadrilateral is a polygon with 4 II. Rectangles, squares, and triangles are all en- | swers ditable unit t | | | | | |
| III. All parallelograms are Which of the statements are true? a. I only b. II only c. I an 2. Mrs. Johnson asked her students to lis ways the triangle shown can be classified student correctly completed the task? ETHAN DELANEY SCALENE, OBTUSE SCALENE, ACUTE | GEOMETRY AND MEASUREMENT UNIT REVIEW Solve each of the problems below. Be I CAN CLASSIFY TRIANGLES. | sure to ask questi- Ild be 2. Ske | ch a triangle that mee | help with a topic. | | |
| Answer the questions below. Be sure to 3. A small rectangular dog crate pillow ho length of 22.3 inches and width of 14 inc What is the area, in square inches, of the crate pillow? | classified according to their sides. T 1-2 sentences summarizing what the demonstrates. | | FYING ILATERALS HANDOUT | Name <mark>A</mark> Date | nswer Key | Pd |
| a. 36.3 in ² b. 312.2 in ² c. 72.6 in ² d. 145.2 in ² 5. Which student(s) drew a graphic organ SHAY TRIANGLES ISOSCELES TRIANGLES EQUILATERAL TRIANGLES | 3. Circle the name of the student(s) the missing category in the graphic of Justify your answer. RICARDO COLE M OBTUSE ACUTE IS TRIANGLES TRIANGLES TF | the following quadrilaterc How many sides d Ex: 2 sets o | g questions about the s I with the given prope sets of parallel os it have? parallel sides ght the sets of paralle | How many congruent side does it have? Ex: 4 congruent sides | es How man Ex: 4 righ | n an example of a y right angles does it have? t angles |
| | I CAN CLASSIFY QUADRILATERA 4. Three students drew a figure on t above the figure they drew. | Right angles | ides: <u>2 sets</u> | 2. Congruent sides: 0 Right angles: 2 an example of each type | Right angles | - |
| | Savannah drew a quadrilateral wit | PARALLEL | | | SQUARE | TRAPEZOID |
| | Daphne drew a quadrilateral with Gina drew a quadrilateral with one | A quadrilate <u>two</u> se <u>parallel</u> <u>congruent</u> | ts of of paral and and congr | sets A parallelogram lel with all four uent sides equal four length. | A parallelogram with <u>all four</u> sides equal length and <u>four</u> right angles. | A quadrilateral with <u>one</u> set of <u>parallel</u> sides. |
| nswer ke ncluded | ys 7 | | 7 | | | |

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