

TEST NAME: **EOG Review - Geometry**
TEST ID: **1696655**
GRADE: **03 - Third Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

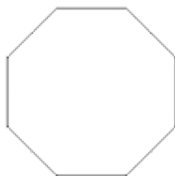
Student: _____
Class: _____
Date: _____

1. Which polygon does **not** appear to have all sides of equal length?

A.



B.



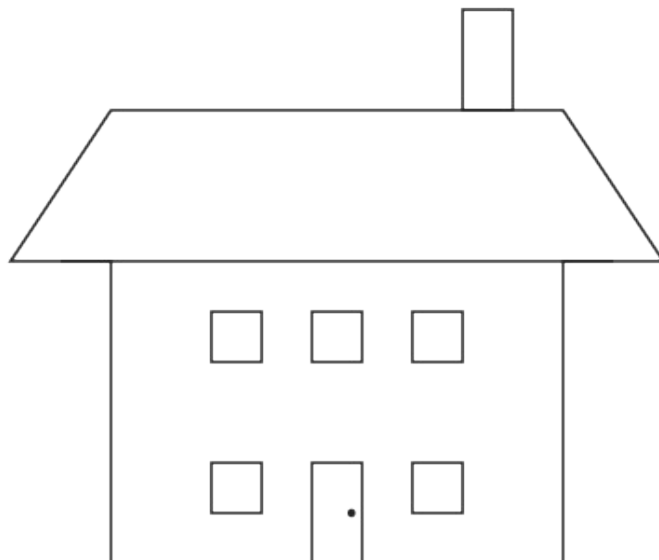
C.



D.



2. How many quadrilaterals are in the plane figure below?

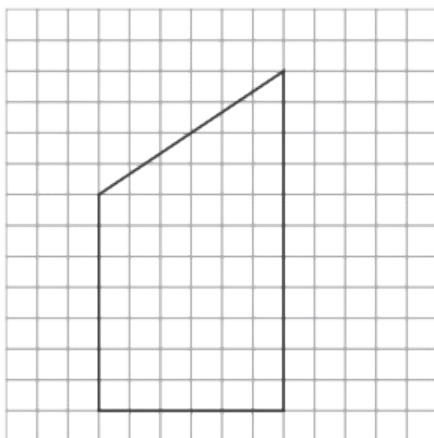


- A. 5
- B. 7
- C. 9
- D. 11

3. Mary shared a chocolate bar equally with 7 friends. Which shows the bar of chocolate they shared?

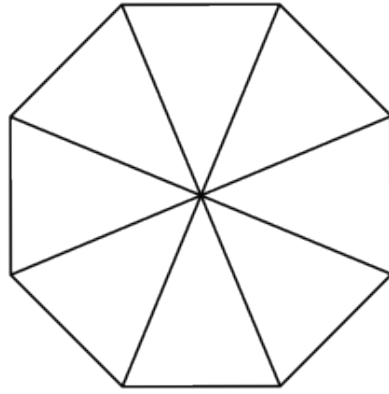
- A.
- B.
- C.
- D.

4. Which category describes the figure shown below?



- A. trapezoid
- B. rectangle
- C. hexagon
- D. rhombus

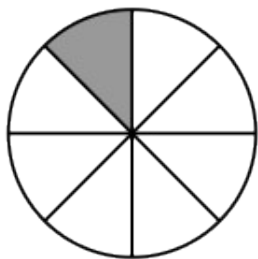
5. Sandra drew lines to show equal parts of the figure below.



Which fraction can be used to label the area of each part?

- A. $\frac{1}{8}$
- B. $\frac{1}{6}$
- C. $\frac{1}{4}$
- D. $\frac{1}{2}$

6. Opie drew the shape below and divided it equally.

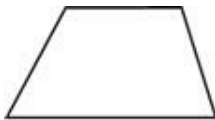


What fraction represents the shaded area?

- A. $\frac{8}{1}$
- B. $\frac{7}{8}$
- C. $\frac{1}{7}$
- D. $\frac{1}{8}$
7. Kevin drew a 4-sided shape with no right angles, and with opposite sides equal in length. What shape did Kevin draw?
- A. parallelogram
- B. rectangle
- C. square

8. Which quadrilateral has only one pair of parallel sides and no right angles?

A.



Trapezoid

B.



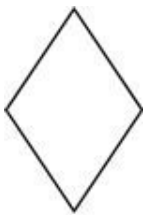
Trapezoid

C.



Parallelogram

D.



Rhombus

9. Which shape has exactly one pair of parallel sides?

- A. square
- B. rectangle
- C. rhombus
- D. trapezoid

10. Which figure below is a quadrilateral?



Figure 1

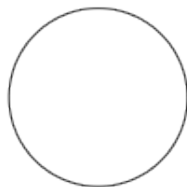


Figure 2



Figure 3

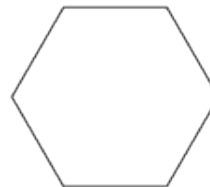
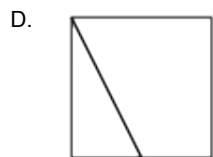
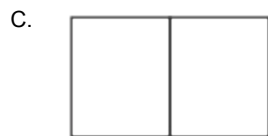
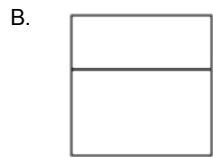


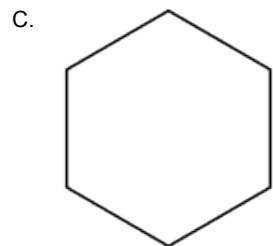
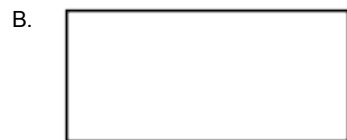
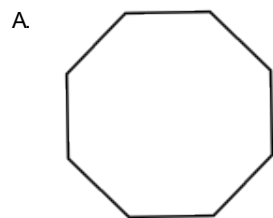
Figure 4

- A. Figure 1
- B. Figure 2
- C. Figure 3
- D. Figure 4

11. Mitch mowed $\frac{1}{2}$ of a lawn. Which shape could represent the lawn Mitch mowed?



12. Which figure is a quadrilateral?

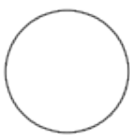


13. Teresa drew a quadrilateral with only one pair of equal sides. Which shape could she have drawn?

- A. rectangle
- B. rhombus
- C. square
- D. trapezoid

14. Kelly wants to draw lines in a shape so each section is $\frac{1}{4}$ of the area of the shape. For which shape is $\frac{1}{4}$ of the area a triangle?

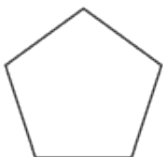
A.



B.



C.

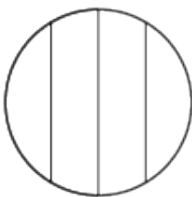


D.

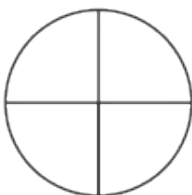


15. Jill divided a cookie into four pieces. Which shows each part of the cookie as $\frac{1}{4}$ of its area?

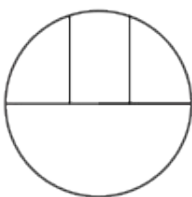
A.



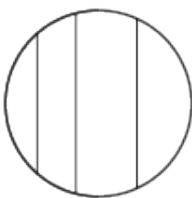
B.



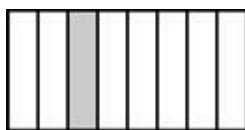
C.



D.



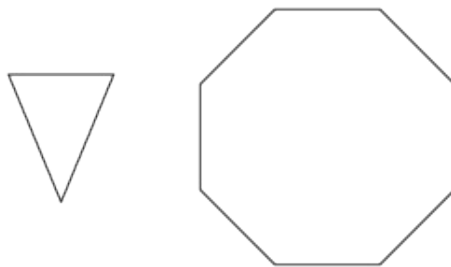
16. Callie divided a rectangle into equal parts.



Which fraction is represented by the area of the rectangle that is shaded gray?

- A. $\frac{1}{8}$
B. $\frac{1}{7}$
C. $\frac{7}{1}$
D. $\frac{8}{1}$

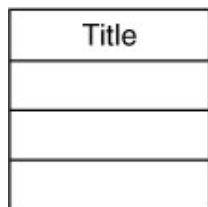
17. Seth has the triangle and octagon below.



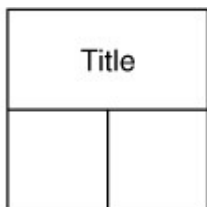
Which is a true statement about his shapes?

- A. The octagon can cover $\frac{1}{3}$ of the area of the triangle.
- B. The triangle can cover $\frac{1}{3}$ of the area of the octagon.
- C. The triangle can cover $\frac{1}{8}$ of the area of the octagon.
- D. The octagon can cover $\frac{1}{8}$ of the area of the triangle.

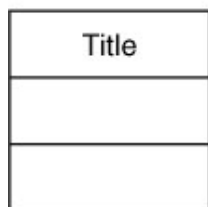
18. Jennifer is making a poster about a book that she just read. There are 4 ways she can make the poster, as shown below.



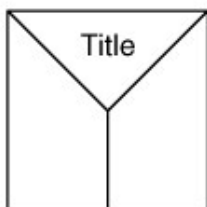
Poster 1



Poster 2



Poster 3



Poster 4

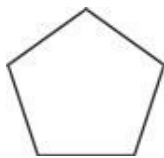
Jennifer wants to make the space for the title cover $\frac{1}{3}$ of the poster.

Which poster should she make?

- A. poster 1
- B. poster 2
- C. poster 3
- D. poster 4

19. Which figure is a quadrilateral?

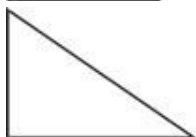
A.



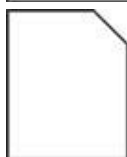
B.



C.



D.



20. Which list includes only quadrilaterals?

- A. square
triangle
trapezoid
rectangle
- B. square
rhombus
pentagon
rectangle
- C. square
rhombus
rectangle
parallelogram

21. Mrs. Smith bought a box of fruit from the store. Her fruit was packed in the box below.

bananas	apples	pears
grapes	lemons	strawberries

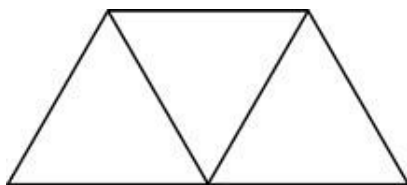
What fraction of the box had grapes in it?

- A. $\frac{1}{5}$
- B. $\frac{1}{6}$
- C. $\frac{5}{6}$

22. Which figure is best represented by the equation below?

$$\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = 1$$

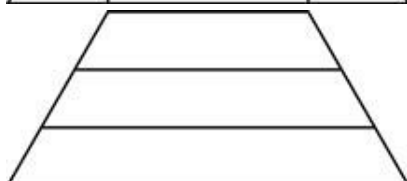
A.



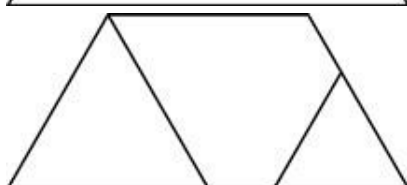
B.



C.



D.



23. Which quadrilateral has four equal angles and two sets of equal sides?

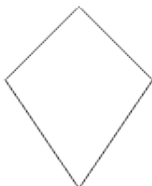
A.



B.



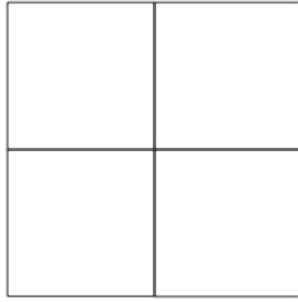
C.



D.



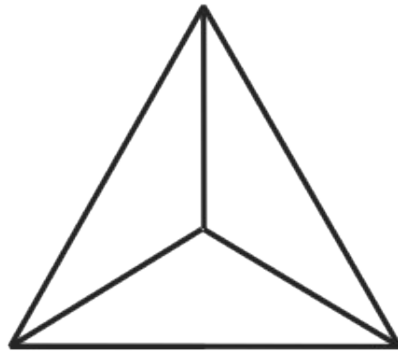
24. Mary has a window shaped like the figure below.



Which shape describes the window?

- A. pentagon
- B. triangle
- C. quadrilateral
- D. trapezoid

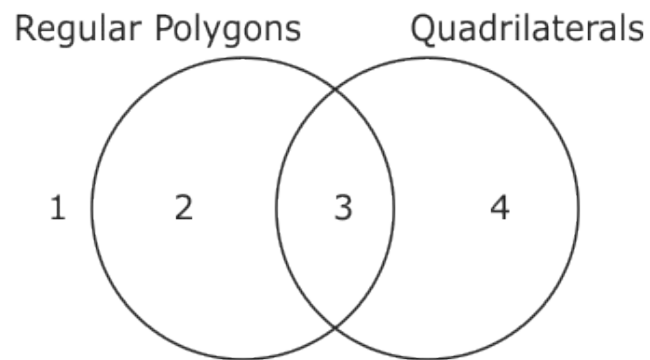
25. Lily split a triangle into 3 equal parts.



What area of the entire triangle is one piece?

- A. $\frac{1}{3}$
- B. $\frac{2}{3}$
- C. $\frac{3}{3}$

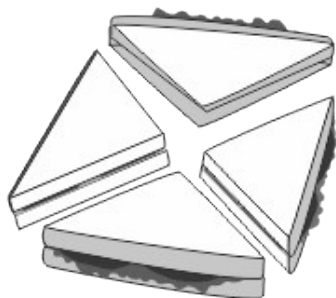
26. Tanisha drew the Venn diagram below. Her diagram classifies two kinds of polygons.



Into which numbered region can Tanisha put a square?

- A. 1
- B. 2
- C. 3
- D. 4

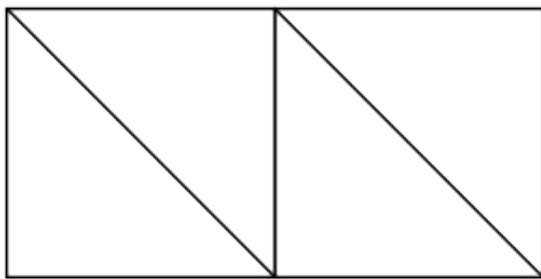
27. Candice cut a sandwich into 4 equal pieces.



How much of the whole sandwich is one piece?

- A. $\frac{1}{4}$
- B. $\frac{1}{3}$
- C. $\frac{3}{4}$
- D. $\frac{4}{1}$

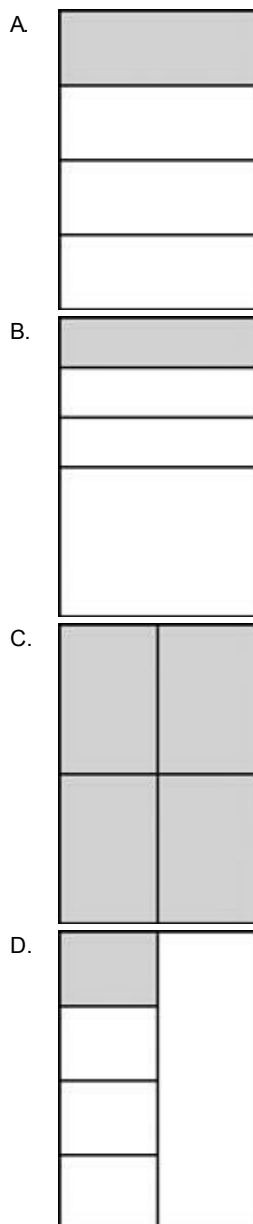
28. Stanley drew the shape below.



What fraction of his shape is one triangle?

- A. $\frac{1}{4}$
- B. $\frac{2}{4}$
- C. $\frac{3}{4}$
- D. $\frac{4}{4}$

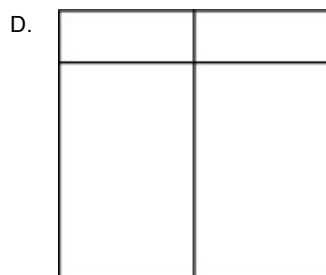
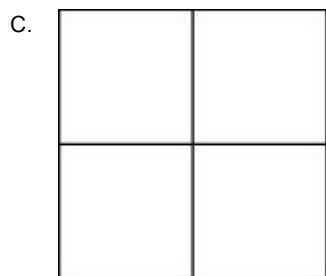
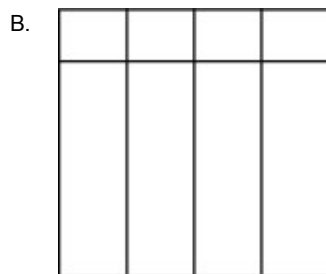
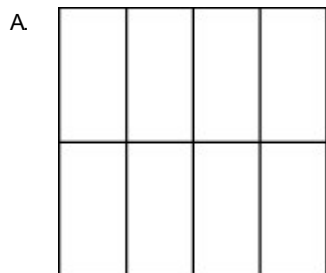
29. Which figure has exactly $\frac{1}{4}$ of its area shaded?



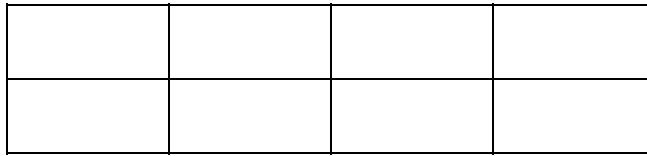
30. Aidan drew a quadrilateral with four right angles. The lengths of the sides were 2 centimeters (cm), 5 cm, 2 cm, and 5 cm. Which name below best describes the quadrilateral Aidan drew?

- A. rectangle
- B. trapezoid
- C. triangle
- D. square

31. Lisa folded a square piece of paper into equal parts. Each part was $\frac{1}{8}$ of the square. Which model shows a way Lisa could have folded the paper?



32. The P.E. teacher divided the field into equal sections, as shown below.



What area of the field is each section?

A. $\frac{1}{8}$

B. $\frac{1}{6}$

C. $\frac{1}{4}$

D. $\frac{1}{2}$

33. Look at the shape below.

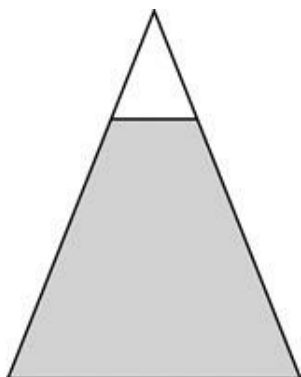


Which two names can be used for the shape?

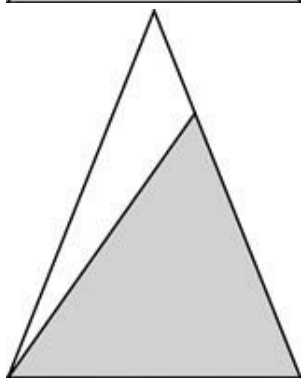
- A. rectangle and rhombus
- B. rhombus and trapezoid
- C. parallelogram and square
- D. quadrilateral and parallelogram

34. Which figure has $\frac{1}{2}$ of its area shaded?

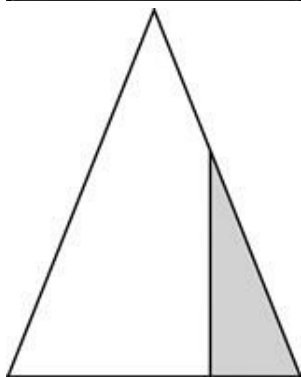
A.



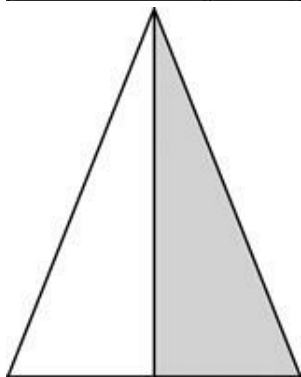
B.



C.

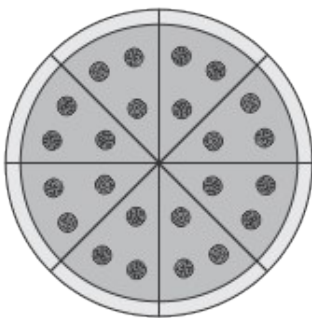


D.

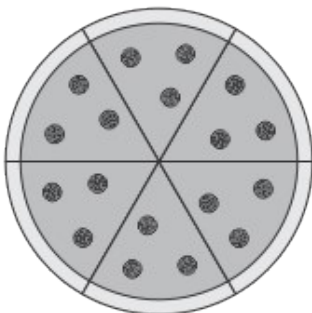


35. Jake and Mya ate a pizza for dinner. Each slice of the pizza was $\frac{1}{6}$ of its area. Which pizza did they eat?

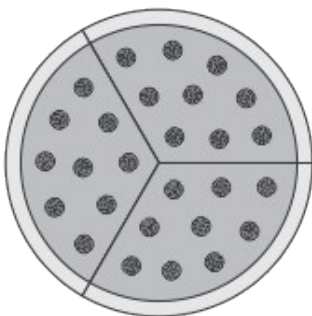
A.



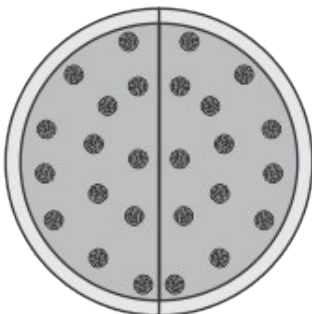
B.



C.



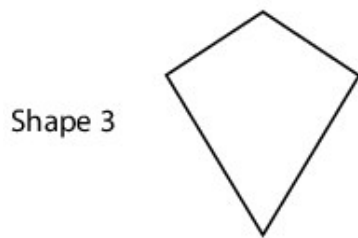
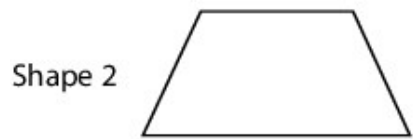
D.



36. Which shape is a quadrilateral?

- A. right triangle
- B. trapezoid
- C. pentagon

37. Landon made the list of shapes below. He will color the shapes that are rectangles or rhombuses.



Which shapes will Landon color?

- A. Shape 1 only
- B. Shapes 1 and 4
- C. Shapes 2 and 3
- D. Shapes 1, 2, and 4

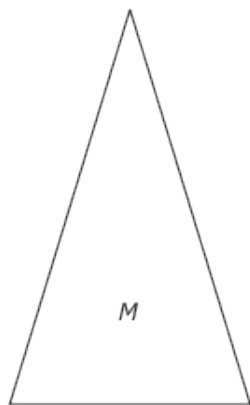
38. Rob is making a design using a quadrilateral that has two pairs of parallel sides. The shape also has sides that are all the same length and no right angles. What shape is he making?
- A. rectangle
 - B. rhombus
 - C. square
 - D. trapezoid
39. The swimming pool was roped off into 3 equal areas for a birthday party.

Ages	Ages	Ages
0 - 3	4 - 8	9 and older

What fraction of the pool is for children ages 0-3?

- A. $\frac{1}{3}$
 - B. $\frac{2}{3}$
 - C. $\frac{3}{3}$
40. Which of the following best describes a square?
- A. two right angles and two equal sides
 - B. two right angles and four equal sides
 - C. four right angles and two equal sides
 - D. four right angles and four equal sides

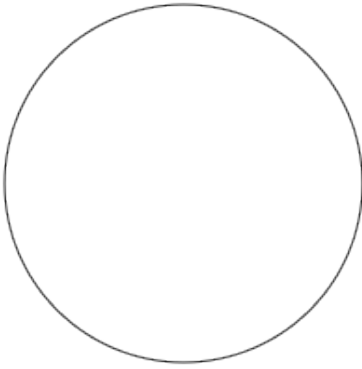
41. Which quadrilateral is a parallelogram with four right angles and four congruent sides?
- A. a rectangle
 - B. a rhombus
 - C. a square
 - D. a trapezoid
42. Vinny has a piece of poster board left from a school project. The figure below is $\frac{1}{3}$ of the whole poster board. Which shape was the whole poster board?



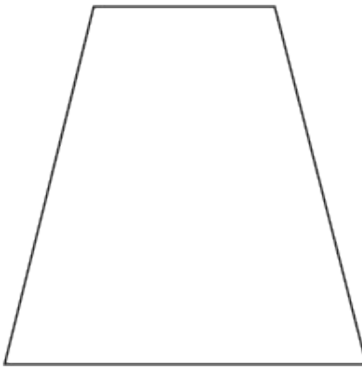
A.



B.



C.



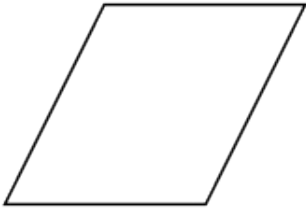
D.



43. The area of Marisa's sticker page is 16 square inches. If Marisa divided her page into fourths, what is the area of one section?
- A. 4 square inches
 - B. 12 square inches
 - C. 20 square inches
 - D. 64 square inches

44. Alice wants to show that quadrilaterals with 4 equal sides can be figures other than squares. Which figure should she use to show this?

A.



B.



C.



D.



45. Albert made a map of a downtown walking tour. The tour started and ended at the same place. It had four sides and four square corners. On the map, two sides were 60 centimeters long, and two sides were 30 centimeters long. What is the shape of the walking tour?

- A. circle
- B. square
- C. triangle
- D. rectangle