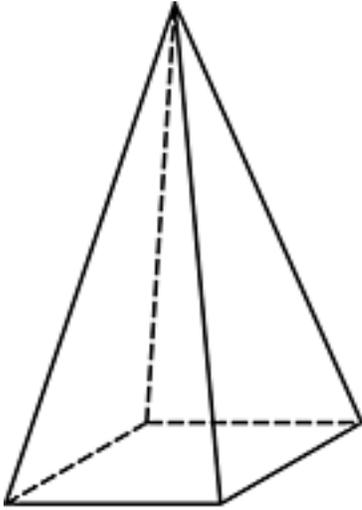


NAEP Released Items Aligned to the Iowa Core

2.G.1 Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.

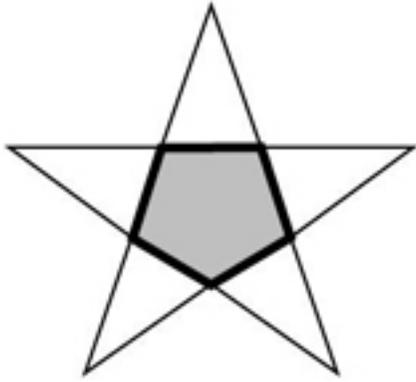


Square Pyramid

1. What shapes make up the faces of a square pyramid?
 - A. Triangles only
 - B. Pentagon and triangles
 - C. Square and rectangles
 - D. Square and triangles

2011-4-9-3

Source: National Assessment of Educational Progress, 2011, Grade 4 Mathematics Assessment.



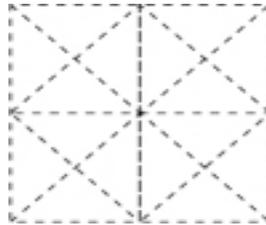
What is the shape of the shaded figure inside the star?

- A. Hexagon
- B. Pentagon
- C. Quadrilateral
- D. Triangle

2009-4-10-10

Source: National Assessment of Educational Progress, 2009, Grade 4 Mathematics Assessment.

In the figure below, outline a four-sided shape that is not a rectangle (or a square).



2007-4-9-15

Source: National Assessment of Educational Progress, 2007, Grade 4 Mathematics Assessment.

Which of the following has only 3 angles?

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

2003-4-10-2

Source: National Assessment of Educational Progress, 2003, Grade 4 Mathematics Assessment.

How many sides does a pentagon have?

- A. Three
- B. Four
- C. Five
- D. Six
- E. Seven

2008-9-21-7

Source: National Assessment of Educational Progress, 2008, Age 9 Mathematics Assessment.

Amanda wants to paint each face of a cube a different color. How many colors will she need?

- A. Three
- B. Four
- C. Six
- D. Eight

2005-8-6-7

Source: National Assessment of Educational Progress, 2005, Grade 8 Mathematics Assessment.

2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.

2.G.3 Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words *halves*, *thirds*, *half of*, *a third of*, *etc.*, and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.