Name _____ Date _____

Analyze Faces of 3-D Shapes

Draw the following 3-D Shapes.

   1. Draw a rectangular prism that is not a cube.

   2. Draw a triangular prism.

✓ **Check-In: Questions 3-4**

Use the numbered and labeled shapes on the page after Question 4 to answer the following questions.

   3. Use the numbers to list the shapes with each property. If there is more than one shape with that property, name them all. Each shape may be listed more than once.

    A. parallel triangular faces   _____

    B. eight corners   _____

    C. six congruent faces   _____

    D. opposite faces are congruent   _____

    E. no parallel faces   _____

    F. triangular faces are not parallel   _____

    G. circles as faces   _____

    H. at least three rectangular faces   _____

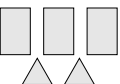   **I.** odd number of vertices   _____
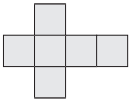
3–D to 2–D   SAB · Grade 3 · Unit 11 · Lesson 8 **455**

Copyright © Kendall Hunt Publishing Company

Student Activity Book - Page 455

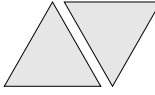
Name _____ Date _____

   4. Look at the faces of the 3-D shape. Write the number of the shape on the line next to the drawing of the faces.
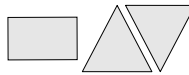
    A.

    B.

    C.

    D. Luis is playing Guess My Shape and is only showing some of the faces of a 3-D shape. What shapes could he be showing you? Explain your thinking.

    E. Luis shows another shape. What shapes could he be showing you now? Explain your thinking.

Copyright © Kendall Hunt Publishing Company

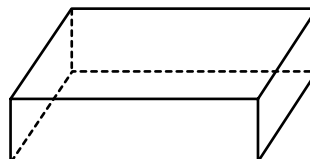**456** SAB · Grade 3 · Unit 11 · Lesson 8   3–D to 2–D

Student Activity Book - Page 456
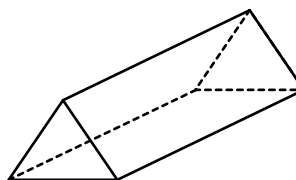

Student Activity Book

Analyze Faces of 3-D Shapes
(SAB p. 455–456)
Questions 1–4

  1. Responses will vary.

  2. Responses will vary.

  3. A. 2, 3

    B. 1, 6, 10

    C. 1

    D. 1, 2, 3, 4, 6, 7, 8, 10, 11, 12

    E. 5, 7, 8, 9, 12

    F. 7, 8, 12

    G. 4, 9

    H. 1, 2, 3, 6, 10, 11

    I. 7, 8, 9, 12

  4. A. 3, triangular prism

    B. 1, cube

    C. 8, triangular pyramid

    D. Possible response: Luis could be showing a triangular prism, a square pyramid, a triangular pyramid, or a hexagonal pyramid. All of these shapes have triangular faces.

    E. Possible response: Luis could be showing a triangular prism or a rectangular pyramid. The triangular prism has two congruent triangles and a rectangle as a face.