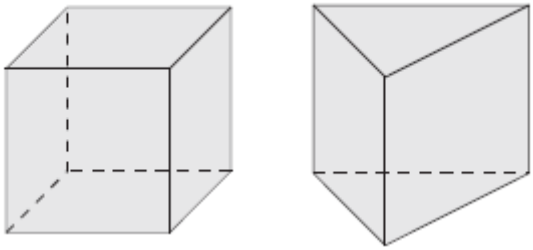
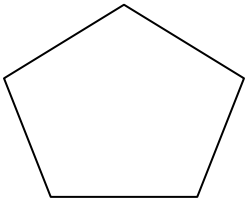
Lesson: Two and Three Dimensional Figures
Third Grade Objective 3.01: Use appropriate vocabulary to compare, describe and classify two and three dimensional figures.

Lesson
How many more edges does a cube have than a triangular prism?

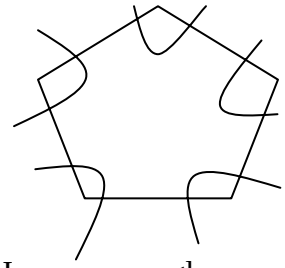


- First, count the edges on a cube. There are four edges on the top face, four edges on the bottom face and 4 around the sides. That makes twelve edges on a cube.
- Next count the edges on a triangular prism. There are three edges on the top face, three edges on the bottom face and three around the sides. That makes nine edges on a triangular prism.
- 12-9 = 3

How many obtuse angles does this figure have?



- First you want to find each angle. There are five angles.

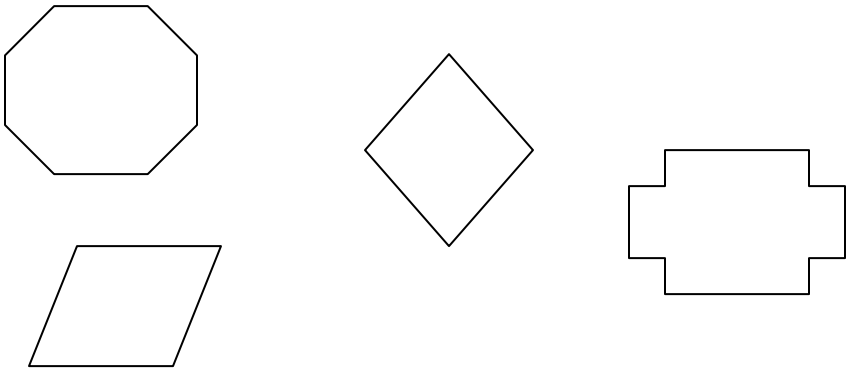


- How many angles are obtuse (larger than 90 degrees)? All five angles are larger than 90 degrees. An easy way to find out is to take the bottom corner of your notebook paper, slide it into the angle and see if the angle is bigger or smaller than the corner of your paper. Your paper is a right angle (90 degrees).

Try these on your own!

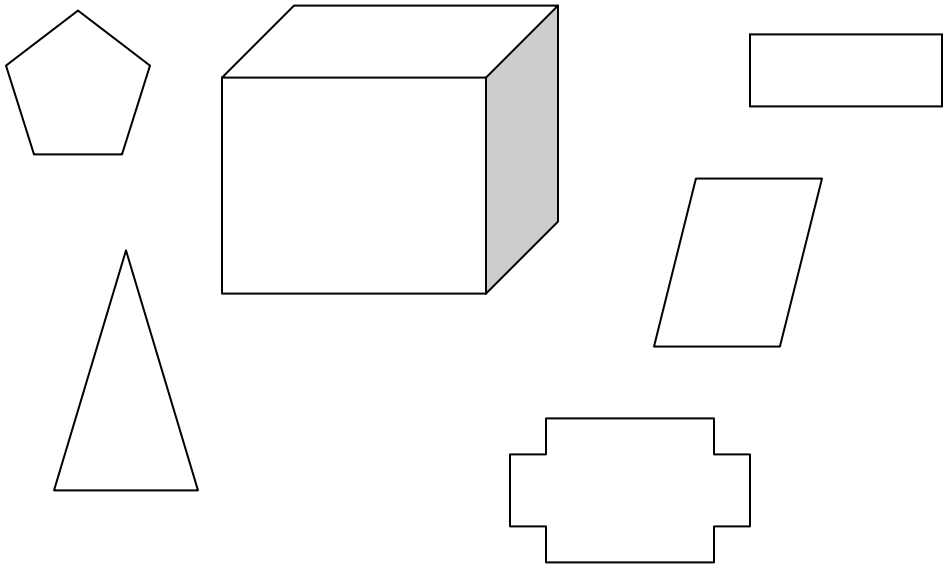
1. Which two three dimensional figures make up this ice cream cone?

2. Which statement is true about all of these figures:



a) They are all quadrilaterals
b) They all have an obtuse angle
c) They all have at least three sides
d) They are all parallelograms

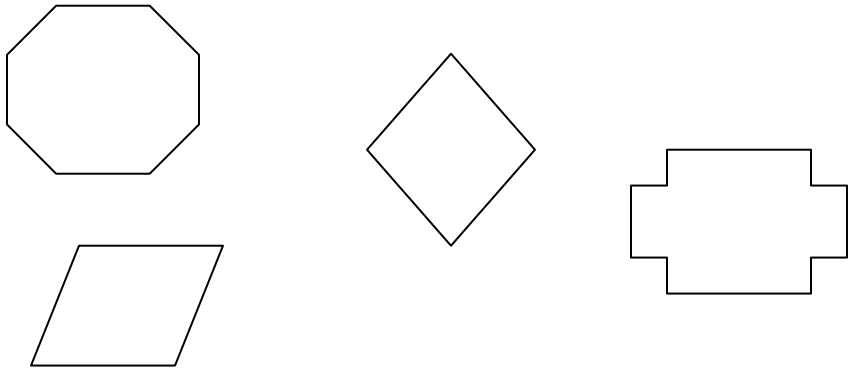
3. Circle the figure that has the most acute angles:



Check Your Answers

1. Which two three dimensional figures make up this ice cream cone? Cone & sphere

2. Which statement is true about all of these figures:



   a. They are all quadrilaterals
   b. They all have an obtuse angle
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