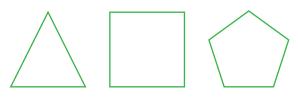


**1. Number Sense** Make a generalization about the sum of three odd numbers. Then test your generalization. Is it true?

If you can find one example of a generalization that is not true, then the generalization is not true.

2. Ronnie says that if all of the sides of a polygon have equal lengths, then all of the angles will have equal measures. He drew the figures below.

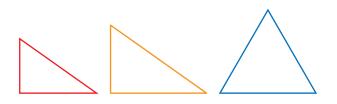


Is his generalization true? Explain.

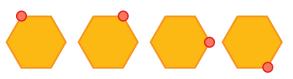
**3. Construct Arguments** Write down five consecutive multiples of 5. What generalization can you make about all multiples of 5?



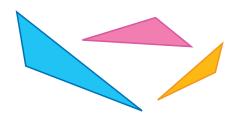
- 4. Which generalization is true about triangles? 0
  - **A** All triangles have 1 right angle.
  - **B** All triangles have 3 angles and 3 sides.
  - **C** All sides of a triangle are equal in length.
  - **D** All the angles of a triangle are equal.



5. Draw a Picture Look at the pattern below. Draw the shape that would come next.



**6.** Communicate What generalization could be made about the triangles below?



- **7. Explain** Today, Mike flew from New York to Chicago. Last week, Brittany flew from New York to Los Angeles. On Tuesday, Lucinda flew from New York to Miami. Can you make a connection among the three friends and the flights they took?
- 8. Extend Your Thinking How can analyzing information and making a generalization help you identify a pattern?

**9.** Justify What generalization can you make about all the figures shown? Explain why your generalization is correct.