Lesson 1 Practice Problems
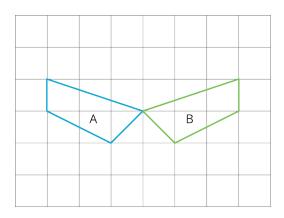
1. A sandwich store charges $20 to have 3 turkey subs delivered and $26 to have 4 delivered.

   a. Is the relationship between number of turkey subs delivered and amount charged proportional? Explain how you know.

   b. How much does the store charge for 1 additional turkey sub?

   c. Describe a rule for determining how much the store charges based on the number of turkey subs delivered.

2. Which question cannot be answered by the solution to the equation $3x = 27$?

   A. Elena read three times as many pages as Noah. She read 27 pages. How many pages did Noah read?

   B. Lin has 27 stickers. She gives 3 stickers to each of her friends. With how many friends did Lin share her stickers?

   C. Diego paid $27 to have 3 pizzas delivered and $35 to have 4 pizzas delivered. What is the price of one pizza?

   D. The coach splits a team of 27 students into 3 groups to practice skills. How many students are in each group?

3. The area of the Mojave desert is 25,000 square miles. A scale drawing of the Mojave desert has an area of 10 square inches. What is the scale of the map?

   (From Unit 2, Lesson 7.)

Accelerated 7 Unit 3

Lesson 1

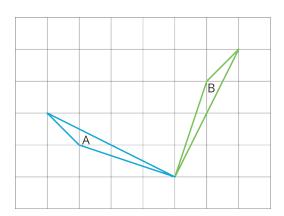CC BY Open Up Resources. Adaptations CC BY IM.

1

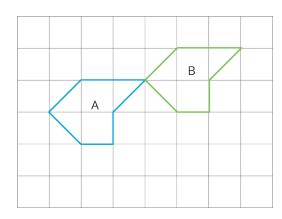4. Each picture shows two polygons, one labeled Polygon A and one labeled Polygon B. Describe how to move Polygon A into the position of Polygon B using a transformation.

a.

b.

c.

(From Unit 1, Lesson 3.)