

**PR3 QUIZ A**

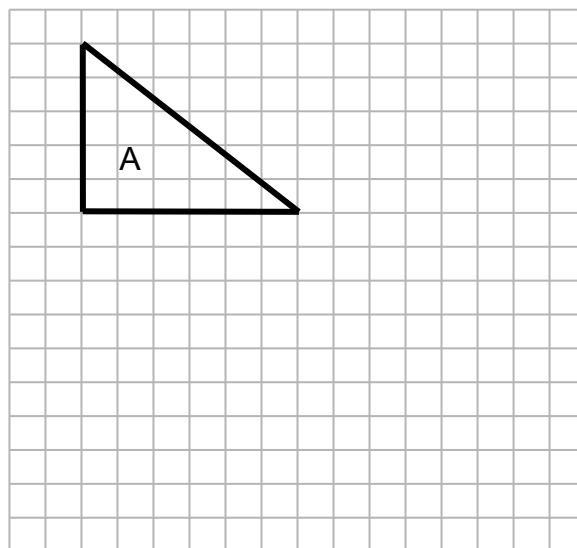
1. Thara looked at the equation  $\frac{6}{4} = \frac{9}{6}$  and said, "I rearrange the numbers  $\frac{6}{9} = \frac{4}{6}$  and still have a true equation." Rearrange the numbers again to make another, different true equation.

2. Solve each equation. Show your work or explain your thought process.

a. $\frac{3}{5} = \frac{18}{x}$	b. $\frac{6}{x} = \frac{15}{20}$
c. $\frac{x}{8} = \frac{3}{5}$	d. $\frac{6}{9} = \frac{x}{30}$

3. Use the grid and triangle to the right.

- a. Draw a scale drawing of the triangle using a scale factor of 1 : 2. Label the triangle B.
- b. Draw a scale drawing of the triangle using a scale factor of 2 : 1. Label the triangle C.



### PR3 QUIZ A (Continued)

4. Store A sells almonds for \$7 per pound. Store B sells almonds for \$12 for 1.5 pounds. Complete the tables to show these relationships.

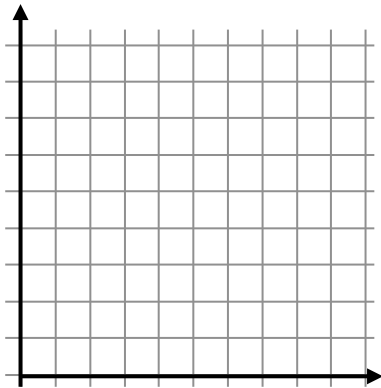
a. Complete the table to show the costs at Store A.

# of pounds ( $x$ )	Cost ( $y$ )

b. Complete the table to show the costs at Store B.

# of pounds ( $x$ )	Cost ( $y$ )

c. Graph the data for both stores. Label and scale the axes



d. Which store offers the better buy? Explain.

e. What does the point  $(0, 0)$  represent for Store A?

5. Jenny biked 3 miles in 15 minutes. Use a table or a double number line to answer the following questions.

a. At that rate, how far could she go in 2 hours?

b. At that rate, how long would it take her to go 15 miles?