

PR3 QUIZ B

1. Circle ALL equations for which $x = 5$ is a solution.

A. $\frac{1}{x} = \frac{12}{60}$

B. $\frac{x}{3} = \frac{25}{21}$

C. $\frac{x}{6} = \frac{12}{15}$

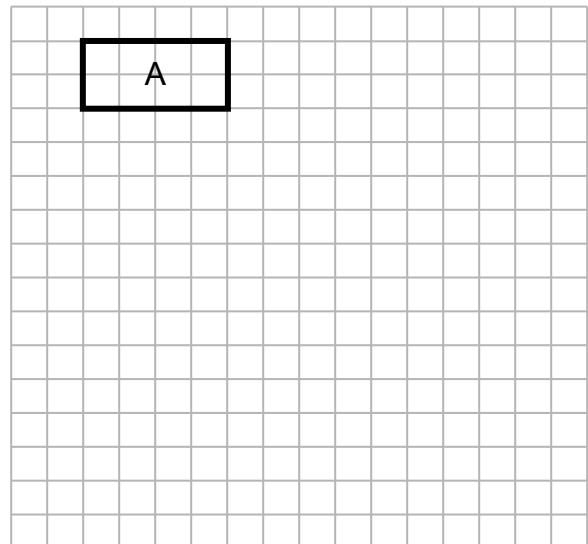
D. $\frac{10}{15} = \frac{x}{6}$

2. Solve each equation. Show work or explain your reasoning.

a. $\frac{2}{3} = \frac{12}{x}$	b. $\frac{4}{x} = \frac{5}{25}$
c. $\frac{x}{8} = \frac{24}{64}$	d. $\frac{2}{5} = \frac{x}{24}$

3. Use the grid and triangle to the right.

- Draw a scale drawing of the triangle using a scale factor of 1 : 2. Label the triangle B.
- Draw a scale drawing of the triangle using a scale factor of 3 : 1. Label the triangle C.



PR 3 QUIZ B (Continued)

4. Chris bought 3 pounds of cheese at Store A for \$6.75 and 5 pounds of cheese at Store B for \$12.50.

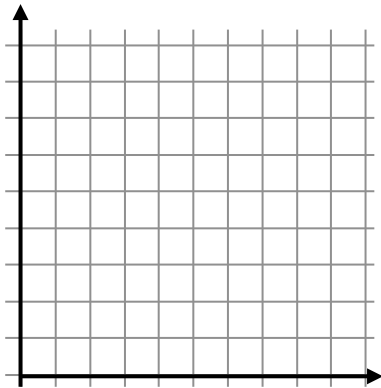
a. Complete the table to show the costs at Store A.

# 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. Using the graph, fill in the ordered pair (1, ___) for Store A. What does this point represent?

5. A printer prints 3 pages per 5 seconds. Use a table or a double number line to answer the following questions.

a. At that rate, how many pages can it print in 1 minute?

b. At that rate, how many minutes would it take her to print 180 pages?