

Name _____ Class _____ Date _____

SELECTED RESPONSE

- The ratio of boys to girls in a classroom is 15 to 12. What is the ratio of boys to total students in the classroom?
 - 12:15
 - 12:27
 - 15:27
 - 27:15
- Each day, the cafeteria staff at Brookview Middle School orders 80 pints of white milk and 30 pints of chocolate milk. Which ratio is equivalent to the ratio of white milk to chocolate milk?
 - 8:11
 - 8:3
 - 3:8
 - 3:11
- A baker makes 5 apple pies for every 3 blueberry pies. Last week the baker made 15 blueberry pies. How many apple pies did the baker make?
 - 8
 - 9
 - 25
 - 40
- Bagel prices at four different bakeries are shown below. Which is the best buy?
 - Bakery 1: A dozen bagels costs \$7.79.
 - Bakery 2: 6 bagels cost \$4.09.
 - Bakery 3: Bagels cost \$0.75 each.
 - Bakery 4: 2 bagels cost \$1.55.
- Which is **not** equivalent to $\frac{45}{75}$?
 - $\frac{9}{15}$
 - $\frac{15}{25}$
 - 60%
 - 70%
- Which shows the ratio “44 to 200” written as a percent, a decimal, and a fraction in simplest form?
 - 44%, 0.44, $\frac{44}{50}$
 - 44%, 0.22, $\frac{22}{100}$
 - 22%, 0.2, $\frac{22}{100}$
 - 22%, 0.22, $\frac{11}{50}$
- Out of 20 athletes surveyed, 10 athletes chose soccer as their favorite sport, 6 chose golf, and the others chose football. What percent of the athletes chose football?
 - 20%
 - 30%
 - 40%
 - 50%
- A certain shade of orange requires a 3 to 2 ratio of yellow to red paint. You have 6 gallons of red paint. How much yellow paint do you need?
 - 4 gallons
 - 5 gallons
 - 9 gallons
 - 12 gallons
- In Miranda’s flower garden, 65% of the flowers are tulips. What fraction of Miranda’s flowers are tulips?
 - $\frac{100}{65}$
 - $\frac{13}{20}$
 - $\frac{65}{1}$
 - $\frac{7}{40}$

CONSTRUCTED RESPONSE

10. Use the tables to compare the ratios $\frac{7}{8}$ and $\frac{11}{12}$.

7				
8				

11				
12				

$\frac{7}{8}$ $\frac{11}{12}$

11. Orin’s Sports store has a 40% off sale on all of its merchandise. How much is the discount on a soccer ball that originally costs \$30?

12. Paula’s dog, Toby, weighs 95 pounds.
 a. To find Toby’s weight in kilograms, what conversion factor should you use?

Weight/Mass
1 pound \approx 0.454 kilogram

- b. Explain why multiplying a quantity by a conversion factor does not change the quantity’s value.

- c. Find Toby’s weight in kilograms.

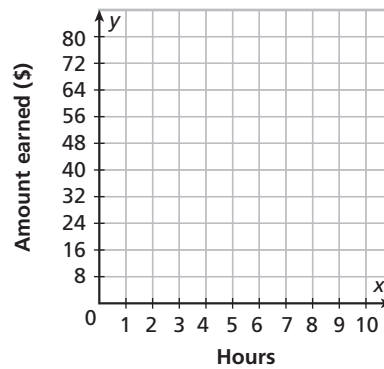
13. To earn money, Peter shovels driveways in the winter. He earns \$24 in 3 hours.

- a. Complete the table.

Hours	0.5	1	3	4	5
Amount Earned (\$)			24		

- b. Write the information in the table as ordered pairs. Use Hours as the x -coordinates and Amount earned as the y -coordinates.

- c. Graph the ordered pairs from b and connect the points.



- d. What is Peter’s unit rate in dollars per hour? How are the table and the graph above related to this unit rate?

- e. How can you use the graph to find the amount of money Peter earns in 6 hours?

- f. How can you use the unit rate to find the amount of money Peter earns in 6 hours?
