

BUYER BEWARE REVIEW**PHASE 1**

Write each ratio as a fraction in simplest form.

1. 54:9

1. _____

2. 21 to 91

2. _____

Find each unit rate. Round to the nearest hundredth if necessary.

3. 325 meters in 28 seconds

3. _____

4. 128 pounds of dog food for 16 dogs

4. _____

5. **BEST BUY** The costs of different sizes of bottled sport drink are shown. Which bottle costs the least per ounce?

Size	8 oz	16 oz	24 oz	32 oz
Price	\$0.89	\$1.09	\$1.89	\$2.39

PHASE 2

Determine whether each pair of ratios forms a proportion.

1. $\frac{12}{14}$ and $\frac{24}{28}$

2. $\frac{1}{4}$ and $\frac{5}{20}$

1. _____

2. _____

3. $\frac{5}{6}$ and $\frac{20}{36}$

4. $\frac{\$18}{30 \text{ lb}}$ and $\frac{\$6}{10 \text{ lb}}$

3. _____

4. _____

Solve each proportion.

5. $\frac{25}{n} = \frac{40}{8}$

6. $\frac{z}{10} = \frac{15}{75}$

7. $\frac{8}{5} = \frac{12}{c}$

5. _____

6. _____

1. Estimate 25% of 803 by using fractions.

1. _____

2. Estimate 60% of 29 by using 10%.

2. _____

PHASE 3

Write an equation for each problem. Then solve. Round to the nearest tenth if necessary.

5. 19 is what percent of 53?

5. _____

6. 37% of what number is 955?

6. _____

7. Find 72% of 303.

7. _____

8. What percent of 15 is 39?

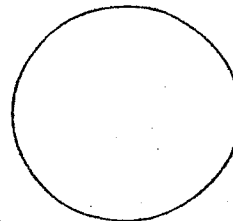
8. _____

PHASE 3

1. **SWIMMING** The table shows the number of members of the swim team who competed at the swim meet. Each competed in only one event. Make a circle graph of the data.

Swim Team Member Participation

Swim Team Member Participation	
Event	Number
Freestyle	18
Breaststroke	7
Backstroke	5
Butterfly	2



Find the total cost or sale price to the nearest cent.

- 16. \$39 shirt; 7.5% sales tax 16. _____
- 17. \$9.25 book; 20% discount 17. _____
- 18. \$2,000 stereo; 30% discount 18. _____
- 19. \$18.60 meal; $6\frac{1}{4}\%$ sales tax 19. _____
- 20. **DISCOUNT** The regular price of ice skates is \$86.49 and the sale price is \$64.87. Find the percent of discount to the nearest whole percent. 20. _____

PHASE 1-2

Choose the correct term or phrase to complete each sentence.

- 1. The part of a quantity, when compared to the whole, is the (denominator, numerator) of a percent proportion. 1. _____
- 2. A proportion is an equation stating that two ratios are (equivalent, of different units). 2. _____
- 3. Two ratios that have the same value are called (scale factors, equivalent ratios). 3. _____
- 4. The (dimensions, scale) of a map is 1 inch = 50 miles. 4. _____
- 5. A rate that is simplified so that it has a denominator (divisible by 10, of 1 unit) is called a unit rate. 5. _____
- 6. To determine whether two ratios form a proportion, you can find their (cross products, unit rates). 6. _____
- 7. A rate is a (scale factor, ratio) that compares two quantities with different kinds of units. 7. _____
- 8. If you are asked to find what percent of 30 is 6, the (part, base) is 30. 8. _____