Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| Choose the larger value, if they are equal, write *equal* to the right.  |
|  | 0.2 or 0.099 |  |
|  | 34 mL or 0.038 L |  |
|  | 18.05 or 18.050  |  |
|  | 0.4 g or 0.007 kg |  |
|  | 20 m or 20,000 mm |  |
|  |
| Solve. Reduce all fractions to lowest terms.  |
|  | Valentina makes $15.50 per hour. If she works 20 hours one week, how much would her weekly pay be? |
|  | Michael makes $7.50 per hour. If he earned $120 this week, how many hours did he work? |
|  |  $\frac{2}{5}=\frac{x}{25}$ |
|  |  $\frac{1}{6}=\frac{x}{96}$ |
|  | 35% of 80 is what? |
|  | 18 is what percent of 30? |
|  | $$\frac{3}{8 } is what as a decimal?$$ |
|  | Scholastique buys a $20 shirt at 30% off. How much does she save?  |
|  | Charles puts $2000 into a savings account that pays 2% interest per year. How much interest would he earn in 2 years? |
|  | Jeff has a cake recipe that calls for 2 cups of sugar and 5 cups of flour. How much flour would he need if he has 1 cup of sugar? |
|  | A scale on a map says that 1 inch equal to 45 miles. If two cities are 2.5 inches apart on the map, how many miles apart are the cities? |
|  | Gloria buys $2\frac{1}{2} $pounds of hamburger. If hamburger is $1.50 per pound, how much does she pay? |
|  | The beginning balance in Rachel’s checking account is $150.23. She deposits $450.00. She then writes checks for $45.45, $29.99, and $135.79. What is her ending balance? |
|  | * 1. Grams measure (weight / volume).
	2. Liters measure (weight / volume).
 |
|  | * 1. The word *percent* “per \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.”
	2. Percents are always (smaller / larger) than the corresponding decimal.
 |
| Bonus Questions |
|  | Solve for *x*.$$\frac{2.5}{3}=\frac{x}{1.2}$$ |
|  | $$\frac{\frac{2}{3}}{\frac{4}{5}}=\frac{\frac{5}{6}}{x}$$ |
|  | Bernard eats 3 slices of an 8 slice pizza. What percent of the pizza did he eat? |

Name\_\_\_\_\_\_\_\_\_\_ ANSWER KEY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| Choose the larger value, if they are equal, write *equal* to the right.  |
|  | 0.2 or 0.099 | 0.2 |
|  | 34 mL or 0.038 L | 0.038 L |
|  | 18.05 or 18.050  | Equal |
|  | 0.4 g or 0.007 kg | 0.007kg |
|  | 20 m or 20,000 mm | Equal |
|  |
| Solve. Reduce all fractions to lowest terms.  |
|  | Valentina makes $15.50 per hour. If she works 20 hours one week, how much would her weekly pay be?$310 |
|  | Michael makes $7.50 per hour. If he earned $120 this week, how many hours did he work?16 hours |
|  |  $\frac{2}{5}=\frac{x}{25}$10 |
|  |  $\frac{1}{6}=\frac{x}{96}$16 |
|  | 35% of 80 is what?28 |
|  | 18 is what percent of 30?60% |
|  | $$\frac{3}{8 } is what as a decimal?$$0.375 |
|  | Scholastique buys a $20 shirt at 30% off. How much does she save? $6 |
|  | Charles puts $2000 into a savings account that pays 2% interest per year. How much interest would he earn in 2 years?$80 |
|  | Jeff has a cake recipe that calls for 2 cups of sugar and 5 cups of flour. How much flour would he need if he has 1 cup of sugar?2.5 cups |
|  | A scale on a map says that 1 inch equal to 45 miles. If two cities are 2.5 inches apart on the map, how many miles apart are the cities?135 miles |
|  | Gloria buys $2\frac{1}{2} $pounds of hamburger. If hamburger is $1.50 per pound, how much does she pay?$3.75 |
|  | The beginning balance in Rachel’s checking account is $150.23. She deposits $450.00. She then writes checks for $45.45, $29.99, and $135.79. What is her ending balance?$389 |
|  | * 1. Grams measure (weight / volume). Weight
	2. Liters measure (weight / volume). Volume
 |
|  | * 1. The word *percent* “per \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.” 100
	2. Percents are always (smaller / larger) than the corresponding decimal. Larger
 |
| Bonus Questions |
|  | Solve for *x*.$\frac{2.5}{3}=\frac{x}{1.2}$ x=1 |
|  | $\frac{\frac{2}{3}}{\frac{4}{5}}=\frac{\frac{5}{6}}{x}$ x=1 |
|  | Bernard eats 3 slices of an 8 slice pizza. What percent of the pizza did he eat?37.5% |