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End of Unit Test - STUDY GUIDE

## Class Period: 1234 Date:

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## Vocabulary

Define the following terms:

1) customary system $\qquad$
2) metric system $\qquad$
3) percent $\qquad$
4) proportion $\qquad$

## Problem Solving. Show your work!

5) The ratio of whale sharks to dolphins at the Georgia Aquarium is 1 to 2 . Based on that information, what is the missing value in the table?

| Whale Sharks | 1 | 6 | 5 | 10 |
| :---: | :---: | :---: | :---: | :---: |
| Dolphins | 2 |  | 10 | 20 |

6) 14 is $20 \%$ of what number?
7) What is $60 \%$ of 400 ?
8) Which value of $x$ will make these ratios equivalent? $\frac{12}{6}=\frac{x}{7}$
9) Alyssa pays $\$ 48$ for 8 tickets to the new Avengers movie. Write the ratio as a unit rate.
10) Jessica drove 288 miles in 4 hours. Oscar drove 189 miles in 3 hours. Who drove at the faster rate of speed?
11) Stacy the snake is 3 feet long. Owen the fish is 49 inches long. How much longer is Owen than Stacy? (1 foot = 12 inches)
12) The table below shows the number of tickets sold for each movie. What does the ratio 5:2 represent?

| Item | Avengers | Thor | Captain <br> America | Spider Man |
| :---: | :---: | :---: | :---: | :---: |
| Quantity Sold | 12 | 15 | 30 | 10 |

13) The ratio of red to blue socks in a drawer is $8: 12$. If there are 80 socks in the drawer, how many are blue?
14) The ratio of boys to girls in a class is $4: 5$. If there are 36 total kids in the class, how many boys are in the class?
15) There are 80 people eating in a Chinese restaurant. If $25 \%$ of these people did NOT order an eggroll, how many people did order an eggroll?
16) Janiah went out to dinner with her friends and had great service. She wanted to leave a $20 \%$ tip on her $\$ 39$ bill. How much money will she leave as a tip?
17) The prices of 3 different bottles of shampoo are given in the table. Which size bottle is the cheapest, according to the price per ounce?

| Size | Price | Price per 1 ounce |
| :---: | :---: | :---: |
| 25 ounces | $\$ 5.25$ |  |
| 15 ounces | $\$ 2.40$ |  |
| 5 ounces | $\$ 1.00$ |  |

18) The weight of an elephant is 13 kg . How many grams does the elephant weigh? ( $1 \mathrm{~kg}=1000 \mathrm{~g}$ )
19) Seventy liters of soda were served at a party. How many kiloliters were served? ( $1000 \mathrm{~L}=1 \mathrm{~kL}$ )
20) If 1 Ton is equal to 2,000 pounds, how many Tons are equal to 17,000 pounds?
21) The table shows survey results of the favorite desserts of 6th graders. What is the simplified ratio of those who selected ice cream and cake to total?

| Dessert | Ice <br> Cream | Cookies | Cake | Pie | Brownies | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \# Votes | 15 | 13 | 5 | 2 | 8 | 7 |

