

**Final Review.**

**Define the following.**

1. decimal
2. ratio
3. proportion
4. percent

**Which is greater?**

5. .003 or .0004

**Change to a fraction and reduce if possible.**

6. .85
7. .6
8. 2.50

**Change to a decimal. Round to the tenths place.**

10.  $\frac{7}{10}$
11.  $\frac{91}{1000}$
12.  $\frac{1}{7}$
13.  $\frac{12}{5}$

**Solve**

14.  $17.54 + 3.8 =$
15.  $34 - 2.89 =$
16.  $1.8 \times .03 =$

17.  $35.9 \div .4 =$

**Write the following as a ratio.**

**Reduce if possible.**

**Include the units of measure in your answer.**

18. 100 miles traveled to 4 gallons of gas

19. 18 candy bars sold in 9 days

**Change to a unit rate.**

**Round to the tenths place if needed, or for money, round to cents.**

20. 80 miles in 3 hours

21. \$7.50/3 pens

22. 4 cars/6 minutes

**Which brand is the better buy?**

23. Goody cookies cost \$4.00/12  
ChocoNuts cost \$6.50/18

**Solve.**

24.  $6/7 = ?/21$

25.  $5/? = 20/16$

**Write as a proportion and solve for the missing number.**

26. A chef cooks 8 waffles in 10 minutes. How long will it take him to make 20 waffles?

27. A map has a scale of 3 inches to 75 miles. If the points on the map between Glenrock and Ellendale are 5 inches apart, how far apart are the cities?

28. Change to a decimal. 95% \_\_\_\_\_ 6% \_\_\_\_\_ 421% \_\_\_\_\_

29. Change to a percent .35 \_\_\_\_\_ 2.43 \_\_\_\_\_ .09 \_\_\_\_\_

30. Change to a fraction 50% \_\_\_\_\_ 25% \_\_\_\_\_ 100% \_\_\_\_\_

31. Change to a percent  $\frac{2}{3}$  \_\_\_\_\_  $\frac{3}{4}$  \_\_\_\_\_

32. What is 15% of 70? (Round to tenths.)

33. 20% of what is 32?

34. What percent of 200 is 25?

35. A coat originally costs \$95. It is marked with a 30% discount. How much will you pay for the coat?

36. Your restaurant bill for lunch is \$12.50. There is a 8% tax on the total. How much will you pay? Round to the nearest penny.