**CBP Review/Study Guide**

**Unit Rate**

1. Max fills glasses of water for the track team. He knows a water cooler fills 150 glasses in 30 min.

1. Find the unit rate
2. How many glasses of water will the cooler fill in 12 minutes?
3. Write your answer from “b” as a ratio/comparison statement.

2. Susan reads 75 pages in 5 minutes.

1. Find the unit rate
2. How many pages will she read in 90 minutes?
3. How long will it take her to read 90 pages?
4. Write your answer from “b” as a ratio statement.
5. To make chocolate milk, a recipe calls for 12 tablespoons of chocolate syrup for 4 cups of milk. Find the amount of syrup needed for each situation.
	1. 1 cup of chocolate milk
	2. 20 cups of chocolate milk

**Absolute Value and Number Lines**

4. Find the absolute value of each number

a. $\left|4\right|$ b. $\left|-4\right|$ c. $\left|-2.4\right|$ d. $\left|\frac{1}{4}\right|$ e. $\left|-1\frac{1}{2}\right|$

3.Which numbers have an absolute value of 1.23?

4. Which numbers have an absolute value of 6

5. Choose the number line below that shows the value of ALL these numbers:

 1.25 -3.75 $-1\frac{1}{4}$ 2 $-2\frac{1}{4}$



A



B



C



D

**Comparing and Ordering**

1. Write < or > to compare the two numbers.

 a. -10 \_\_\_\_\_ -2 b. $-1\frac{7}{9}$ \_\_\_\_\_\_ $-1\frac{6}{7}$ c. -7.1 \_\_\_\_\_\_ -8.3 d. $-\frac{12}{10}$ \_\_\_\_\_\_ $-1\frac{2}{5}$

7. Put the following numbers in order from LEAST to GREATEST

 -2 -2.2 -2.002 -2.12 -2.112

8. Put the following numbers in order from LEAST to GREATEST

$-1\frac{1}{4}$ $-2\frac{1}{4}$ $-2\frac{3}{4}$ $-2\frac{3}{8}$ $-1\frac{3}{4}$

**Percent**

1. In a survey of favorite colors, 28 out of 40 people chose blue. What percent of people picked blue as their favorite color?

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Fraction** | **Decimal** | **Percent** |
| **Ratio** |  |  |  |
| 50 days out of 200 days |  |  |  |
| 35 out of 50 spelling words correct |  |  |  |
| 18 out of 25 dirt bikes |  |  |  |
| 5 out of 8 games won |  |  |  |

**Also review Check-ups 1-3 and A.C.E. questions…**

**Investigation 3 # 24, 70-72**

**Investigation 4# 2-4, 6-14**