

MONDAY HOMEWORK

1. Evaluate the following: a) $-\frac{1}{5} + \frac{7}{10} - \frac{3}{20}$ b) $-3\frac{3}{4} + 4\frac{3}{10} + 2\frac{3}{5}$

2. Are the following equivalent? (yes or no, show WORK!)

a) $\frac{4}{5} = \frac{8}{10}$

b) $\frac{24}{30} = \frac{30}{35}$

3. a) $(2 \cdot 4)^2 \div (2^3 + 8)$ b) $(5^3 - 100)^2 \div 5^2$

4. A bucket of water was $\frac{1}{6}$ full but it still had $2\frac{3}{4}$ gallons of water and it. How much water would be in one fully filled bucket?

5. Which ratio is a unit rate?

a. 2 mi in 3 hrs

c. \$7 to \$1

b. 3 lbs for \$2

d. 30 mi per hr

TUESDAY HOMEWORK

1. a) $(6+8) \cdot 6 \cdot 9$ b) $-4^2 + (-3)^3 + 5(2)$ c) $10(-5) - (-3)$

2. The average high temperature on Mars is 70.4°F . The average low temperature is -225.2°F . What is the difference and the high and low?

3. Which is the better buy? \$625 for 25 pairs of shoes **OR**
\$800 for 33 pairs of shoes

4. Solve: $\left| \frac{-18 + (-2)}{-2 + 7} \right|$

5. If Taylor rides her bike $\frac{1}{4}$ mile every $\frac{1}{2}$ hour, how many miles does she bike per hour?

WEDNESDAY HOMEWORK

1. Solve for the missing equivalent ratio.

9	18	27	36	
7		21		35

2. Of the 42 people who work at Whiteside Industries, $\frac{5}{6}$ of them work in the manufacturing plant. How many people work in the manufacturing plant?

3. Aaron has $22\frac{3}{4}$ pounds of dog food. If his dog eats $1\frac{3}{4}$ pounds of dog food each day, how many days will this supply of dog food last?

4. $3\frac{1}{5} - (-\frac{1}{3})$

5. $\frac{3}{2} + (-\frac{5}{3})$

THURSDAY HOMEWORK

1. $7.3 + (-0.79) - (-4.2) = \underline{\hspace{2cm}}$

2. $3\frac{7}{8} + (-4\frac{5}{8}) - \frac{1}{8} = \underline{\hspace{2cm}}$

3. $(-\frac{2}{3})^2 = \underline{\hspace{2cm}}$

4. $-4\frac{2}{3} + \frac{2}{5} - \frac{1}{15} = \underline{\hspace{2cm}}$

5. $-6^2 \div 12 + 9 = \underline{\hspace{2cm}}$

6. $150 - (79 + 2 \cdot 13 + 38) = \underline{\hspace{2cm}}$