Name_____ Class Period_____ Date_____ Points ____/6

Ratios
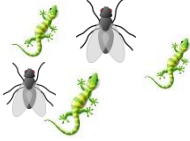
You must earn 6 points!

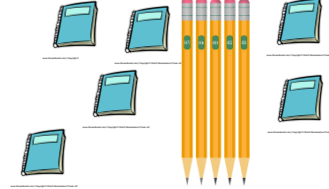**Write the ratio in two ways. Explain what the ratio means**.

1

point

1. flies to lizards

2. cars : trucks

3. notebooks to pencils

Use the table to write the ratio. Explain what the ratio means.

Instrument	Number
Tubas	2
Flutes	5
Trumpets	3

4. tubas : flutes

5. trumpets : tubas

6. flutes : trumpets

Solve each word problem.

2

points

7. The ratio of students to teachers at a school is 19 : 1. How many students are there in each total number of people?

   a. 100 people   b. 280 people   c. 440 people   d. 760 people

8. You spend 90 minutes practicing flip tricks and slides on your skate board. The ratio of time spent on flip tricks to time spent on slides is 7 : 8. How much time do you spend practicing slides?

9. There are 18 pieces of chalk. The ratio of chalk that is yellow to chalk that is not yellow is 1 : 2. How many pieces of chalk are yellow?

10. In a recipe, the ratio of fluid ounces of water to fluid ounces of tomato paste is 3 : 4. You plan to make 35 fluid ounces of sauce. How many fluid ounces of tomato paste do you nee

Reflecting Back

You must complete ALL 6 problems!

1. **Find the number represented by the prime factorization.**

   $$2^2 \bullet 5^2 \bullet 7$$

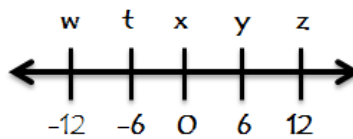2. **Graph on a vertical number line. Then write in order from <u>greatest</u> to least.**

   5, -4, -6, 0, 8, 2

3. **Convert the mixed number to an improper fraction and the improper fraction to a mixed number.**

   a. 3⅗
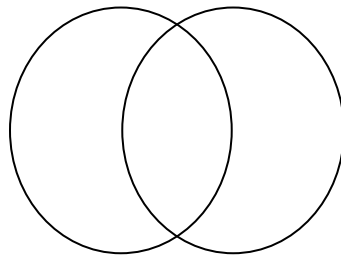
   b. $\dfrac{13}{3}$

4. **Using the information from the number line below, what is the <u>opposite</u> of y?**

5. **Find the Least Common Multiple (LCM).**

   15 and 24

6. **Evaluate the expression.**

   $$8^2 - 20 \div 2 \times 5$$