Name: _____ Period: _____ Date: _____

Ratio and Measurement Units Assignment

Part 1: Convert the following measurements using RATIO.

1. 24 fluid ounces = _____ cups

2. 2640 yards = _____ miles

3. 10,000 pounds = _____ tons

4. 0.03 kilometers = _____ meters

5. 20,000 millimeters = _____ meters

Part 2: Compare the two given units by determining the correct symbol (>, <, =)

1. 3 feet _____ 24 inches

2. 0.005 kilometers _____ 0.5 meters

3. 40 gallons _____ 40 quarts

4. 30,000 milligrams _____ 0.03 kilograms

5. 10 liters _____ 10,000 milliliters

Ratio and Measurement Units Assignment

Part 3: Solve the following problems.

1. Myra baked a 92-inch tall cake. How tall is it in inches?

2. Paul traveled a distance of 8.880 yards. How far did he travel in miles?

3. An average human brain has a mass of 3 pounds. How much does it weigh in ounces?

4. Bus A travelled 20 kilometers and Bus B travelled 200,000 meters. Who traveled the farthest?

5. Phil has a 2.4 meter long piece of wood. If he cuts it in 4 equal parts, what is the length of each piece of wood in millimeters?

Ratio and Measurement Units Assignment

Answers:

Part 1: Convert the following measurements using RATIO.

1. 24 fluid ounces = 3 cups

2. 2640 yards = 1.5 miles

3. 10,000 pounds = 5 tons

4. 0.03 kilometers = 30 meters

5. 20,000 millimeters = 20 meters

Part 2: Compare the two given units by determining the correct symbol (>, <, =)

1. 3 feet > 24 inches

2. 0.005 kilometers < 0.5 meters

3. 40 gallons > 40 quarts

4. 30,000 milligrams = 0.03 kilograms

5. 10 liters = 10,000 milliliters

Part 3: Solve the following problems.

Ratio and Measurement Units Assignment

1. Myra baked a 92-inch tall cake. How tall is it in feet?

   Solution: 7.67 feet

2. Paul traveled a distance of 8.800 yards. How far did he travel in miles?

   Solution: 5 miles

3. An average human brain has a mass of 3 pounds. How much does it weigh in ounces?

   Solution: 48 ounces

4. Bus A travelled 20 kilometers and Bus B travelled 200,000 meters. Who traveled the farthest?

   Solution: Bus B traveled the farthest, it traveled 200 kilometers

5. Phil has a 2.4 meter long piece of wood. If he cuts it in 4 equal parts, what is the length of each piece of wood in millimeters?

   Solution:s
   2.4 meters / 4 = 0.6 meters per piece = 600 millimeters per piece

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