**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

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?

**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.

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

Solution: 7.67 feet

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

Solution: 5 miles

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

Solution: 48 ounces

1. 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

1. 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