

## Ratio Practice

### Steps to solve Ratio Problems:

**Step 1:** Write out the Ratio

**Step 2:** Rewrite the problem as a ratio

**Step 3:** Divide the known number by the ratio number

**Step 4:** Multiply the answer by the other ratio number

**Step 5:** Fill in the blank with the correct answer

**Example:** The ratio of boys to girls at the school is 2:3. How many boys are in the class if there are 6 girls?

**Step 1:** 2 boys to 3 girls

**Step 2:** \_\_\_\_ Boys to 6 Girls

**Step 3:** we know there are 6 girls, so divide 6 by the number in the ratio for girls  $6 \div 3 = 2$

**Step 4:**  $2 \times 2 = 4$

**Step 5:** 4 Boys

Fill in the blanks with the appropriate number from the given ratio.

1) The ratio for Red Marbles to Blue Marbles is 2:3.

- A) **2** Red to \_\_\_\_ Blue
- B) \_\_\_\_ Red to **6** Blue
- C) **6** Red to \_\_\_\_ Blue
- D) \_\_\_\_ Red to **15** Blue

2) The ratio for Snakes to Mice is 1:5

- A) **2** Snakes to \_\_\_\_ Mice
- B) \_\_\_\_ Snakes to **15** Mice
- C) **4** Snakes to \_\_\_\_ Mice
- D) \_\_\_\_ Snakes to 25 Mice

3) The ratio for Vinegar to Water is 3:5

- A) **3**mL Vinegar to \_\_\_\_ mL Water
- B) \_\_\_\_ mL Vinegar to **15**mL Water
- C) **12**mL Vinegar to \_\_\_\_ mL Water
- D) \_\_\_\_ mL Vinegar to **10**mL Water

(Over)

4) The ratio of Iron to Oxygen is 2:3

- A) 6 Fe to \_\_\_\_\_ O
- B) 12 Fe to \_\_\_\_\_ O
- C) \_\_\_\_\_ Fe to 15 O
- D) \_\_\_\_\_ Fe to 30 O

5) The ratio of Hydrogen to Oxygen is 2:1.

- A) 4 H to \_\_\_\_\_ O
- B) \_\_\_\_\_ H to 6 O
- C) 20 H to \_\_\_\_\_ O
- D) \_\_\_\_\_ H to 30 O

6) The ratio of Nitrogen to Oxygen is 1:3

- A) 3 N to \_\_\_\_\_ O
- B) 5 N to \_\_\_\_\_ O
- C) 10 N to \_\_\_\_\_ O
- D) 20 N to \_\_\_\_\_ O

7) The ratio of Carbon to Hydrogen to Oxygen is 1:2:1

- A) 1 C to \_\_\_\_\_ H to 1 O
- B) 2 C to \_\_\_\_\_ H to \_\_\_\_\_ O
- C) 3 C to \_\_\_\_\_ H to \_\_\_\_\_ O
- D) 6 C to \_\_\_\_\_ H to \_\_\_\_\_ O

8) The ratio of Hydrogen to Sulfur to Oxygen is 2:1:4.

- A) \_\_\_\_\_ H to 1 S to \_\_\_\_\_ O
- B) \_\_\_\_\_ H to 4 S to \_\_\_\_\_ O
- C) \_\_\_\_\_ H to 8 S to \_\_\_\_\_ O
- D) \_\_\_\_\_ H to 10 S to \_\_\_\_\_ O