Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ratios & Rates Practice** Period: 1 2 3 4

(Ratios & Rates)

***Rewrite the following ratios using proper “ratio language.”***

1) 5 burgers : 2 milkshakes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) 6 fish : 5 dogs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) 9 boys : 11 girls \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Write each ratio 3 ways. Then, circle whether the ratio is part-to-part or part-to-whole.***

4) There are 12 trumpets and 10 flutes. What is the ratio of trumpets to flutes?

 \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Circle one: part-to-part part-to-whole

5) There are 4 sandwiches and 10 milks. What is the ratio of milk to sandwiches?

 \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Circle one: part-to-part part-to-whole

6) There are 14 boys and 16 girls in math class. What is the ratio of boys to girls?

 \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Circle one: part-to-part part-to-whole

7) There are 6 dogs and 4 cats. What is the ratio of dogs to pets?

 \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Circle one: part-to-part part-to-whole

***Write the following ratios. Remember to simplify!***

*Favorite Flavors:*

8) What is the ratio of vanilla to chocolate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) What is the ratio of chocolate and strawberry to vanilla? \_\_\_\_\_\_\_\_\_\_\_\_\_

10) What is the ratio of chocolate to all flavors? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11) What is the ratio of cookie dough to cookies and cream? \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Vanilla | 10 |
| Chocolate | 6 |
| Strawberry | 4 |
| Cookies and Cream | 8 |
| Cookie Dough | 2 |

***List 2 equivalent ratios for the following ratios.***

12) 4:5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 13)10:2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 14) 3:6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Simplify the following ratios.***

15) 20:100 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 16) 16 to 8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 17) $\frac{15}{45}$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Write the rates as unit rates.***

18) $125 for 5 meals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19) 12 meters in 24 seconds \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20) 72 oz. in 6 steaks\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

21) $48 for 20 chocolate bars \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

22) $1,950 for 25 pairs of jeans \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Answer the following questions.***

23) Adam drove 360 miles and used 12 gallons of gas. How many miles did he drive per gallon of gas?

24) Jersey Mike’s made 27 sandwiches. They used 12 pounds of turkey. How much turkey was used per sandwich?

***Complete the ratio tables.***

25)

|  |  |  |  |
| --- | --- | --- | --- |
| 3 |  | 21 |  |
| 4 | 20 |  | 36 |

26)

|  |  |  |  |
| --- | --- | --- | --- |
| 6 |  | 6,000 |  |
| 10 | 100 |  | 1,000,000 |