

Math 6 - Unit 1: Number System Fluency

Ratio Practice

Name: _____

Class Period: 1 2 3 4 Date: _____

Use the stars to answer questions 1 and 2.



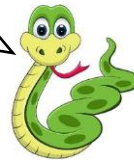
1) Write the ratio of black stars to white stars in three different ways.

2) Write the ratio of white stars to black stars in three different ways.

Use the table below to answer questions 3-6.

| Favorite Pets | |
|---------------|----|
| Snake | 15 |
| Dog | 10 |
| Cat | 6 |
| Hamster | 8 |
| Fish | 1 |

Pleasssssssse remember to sssssssssimplify!



3) What is the ratio of people who chose **snakes** to those who chose **dogs**? _____

4) What is the ratio of people who chose **cats AND dogs** to those who chose **hamsters**? _____

5) What is the ratio of those who chose **snakes** to **everyone** that was surveyed? _____

6) What is the ratio of those who chose **cats** to those who chose **fish**? _____

Use the words, "East Cobb Middle School" to answer questions 7-11.

7) What is the ratio of **vowels** to **consonants**? _____

8) What is the ratio of letters in "**ECMS**" to "**East Cobb Middle School**"? _____

9) What is the ratio of the letters in "**East Cobb**" to the letters in "**Middle School**"? _____

10) What is the ratio of the letters in "**Middle School**" to the letters in "**East Cobb**"? _____

11) Crain says the ratio of letters in "East" to "Cobb" is 4:4. Hailey says that ratio is 1:1. Who is correct? Explain your answer.

The table below shows the number of balloons purchased in each color at Party City. Using this information, answer questions 12-15.

| | | | | |
|---------------|-----|--------|------|-------|
| Color | Red | Yellow | Blue | Green |
| Quantity Sold | 10 | 20 | 15 | 25 |

12) Which two items does the ratio 10:20 represent? _____

13) Which two items does the ratio 3:5 represent? _____

14) Which two items does the ratio 5 to 3 represent? _____

15) Which two items does the ratio $\frac{3}{2}$ represent? _____

16) Which two items does the ratio 4:3 represent? _____

Use the table to answer questions 17 – 26.

Find the following ratios.

Don't forget to simplify if necessary.

| | |
|-----------------|----|
| Ice Cream | 12 |
| Takis | 6 |
| Candy | 9 |
| Fruit | 4 |
| Sunflower Seeds | 2 |
| Seaweed | 5 |
| Cookies | 7 |

17) candy to seaweed _____ to _____

18) cookies to Takis _____ to _____

19) fruit to candy _____ to _____

20) Takis to ice cream _____ to _____

21) candy to total _____ to _____

22) sunflower seeds to cookies _____ to _____

23) candy to cookies and fruit _____ to _____

24) Takis and fruit to seaweed _____ to _____

25) ice cream to sunflower seeds _____ to _____

26) cookies and ice cream to total _____ to _____