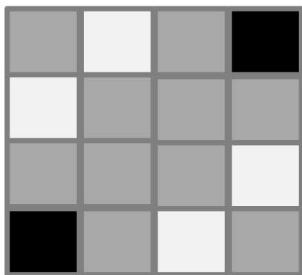Name _____   Date_____

Ratios

Give two different ratios with a description of the ratio relationship using the following information:

There are 15 male teachers in the school. There are 35 female teachers in the school.

1. Using the floor tiles design shown below, create 4 different ratios related to the image. Describe the ratio relationship and write the ratio in the form $A:B$ or the form A to B.

.

2. Billy wanted to write a ratio of the number of apples to the number of peppers in his refrigerator. He wrote $1:3$. Did Billy write the ratio correctly? Explain your answer.

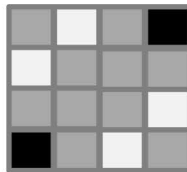Give two different ratios with a description of the ratio relationship using the following information:

There are 15 male teachers in the school. There are 35 female teachers in the school.

Possible solutions:

- *The ratio of the number of male teachers to the number of female teachers is* $15:35$.

- *The ratio of the number of female teachers to the number of male teachers is* $35:15$.

- *The ratio of the number of female teachers to the total number of teachers at the school is* $35:50$.

- *The ratio of the number of male teachers to the total number of teachers at the school is* $15:50$.

*Please note that some students may write other equivalent ratios as answers. For example, $3:7$ *is equivalent to* $15:35$.

---

1. Using the floor tiles design shown below, create 4 different ratios related to the image. Describe the ratio relationship and write the ratio in the form $A:B$ or the form A to B.

For every 16 tiles, there are 4 white tiles.

The ratio of the number of black tiles to the number of white tiles is 2 to 4.

(Answers will vary.)

2. Billy wanted to write a ratio of the number of apples to the number of peppers in his refrigerator. He wrote $1:3$. Did Billy write the ratio correctly? Explain your answer.

Billy is incorrect. There are 3 apples and 1 pepper in the picture. The ratio of the number of apples to the number of peppers is $3:1$.