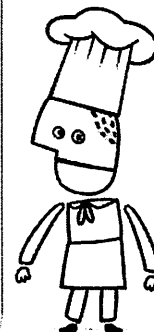Solving Ratio Problems Day 2 Homework   Name _____

Solve the following ratios using the BAR DIAGRAM model.

A famous chef has a secret salad dressing recipe. He gives clues about the recipe. How many tablespoons of oil and how many tablespoons of vinegar should you use to make the salad dressing?

Famous Salad Dressing

The ratio of tablespoons of oil to tablespoons of vinegar is 3 : 2.

Use a total of 20 tablespoons of oil and vinegar.

2. There are 12 more boys than girls at a school play. The ratio of boys to girls is 7:5. How many students were there altogether?

_____ Students

3. Barb wants to get 8 out of every 10 questions right on her test. If there are 35 questions on the test, how many will Barb want to get right?

_____ Questions

4. Solomon goes jogging 4 out of every 6 days. How many days will Solomon jog in <u>3 weeks</u>?

_____ Days

5.At the start of the day, the ratio of apples to oranges to pears at a local market is 3 : 5 : 2.

    a. If the market had 150 apples at the start of the day, how many pears were there?

    b. How many more oranges were at the market than apples?

6. In a basket of fruit containing bananas and oranges, $\frac{3}{7}$ of the pieces of fruit were oranges. If there were 42 pieces of fruit in the basket, how many more bananas were there than oranges?

6. There were 35 children and 10 adults at a cookout.

    a. What is the ratio of adults to children at the cookout?

    b. What is the ratio of children to total people and the cookout?

    c. Five more children came to the cookout. Now what is the ratio of children to total people?
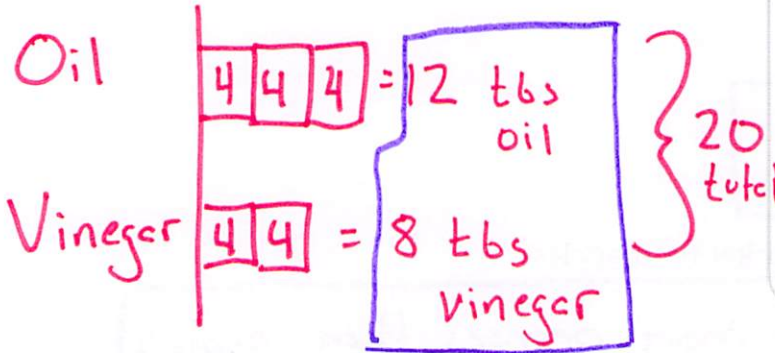
Solving Ratio Problems Day 2 Homework   Name _____ Key _____

Solve the following ratios using the BAR DIAGRAM model.

A famous chef has a secret salad dressing recipe. He gives clues about the recipe. How many tablespoons of oil and how many tablespoons of vinegar should you use to make the salad dressing?

Oil | 4 | 4 | 4 | = 12 tbs oil
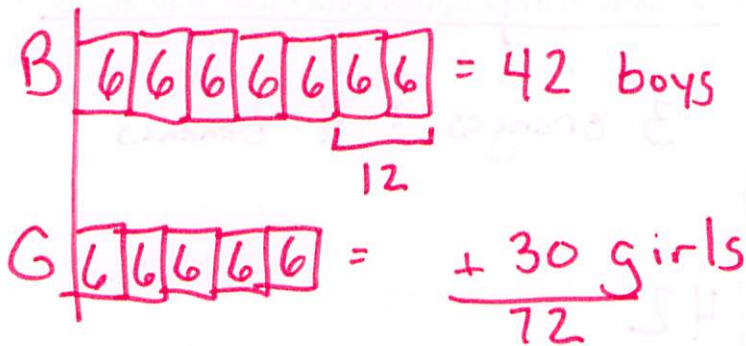
Vineger | 4 | 4 | = 8 tbs vinegar

} 20 total

Famous Salad Dressing

The ratio of tablespoons of oil to tablespoons of vinegar is 3 : 2.
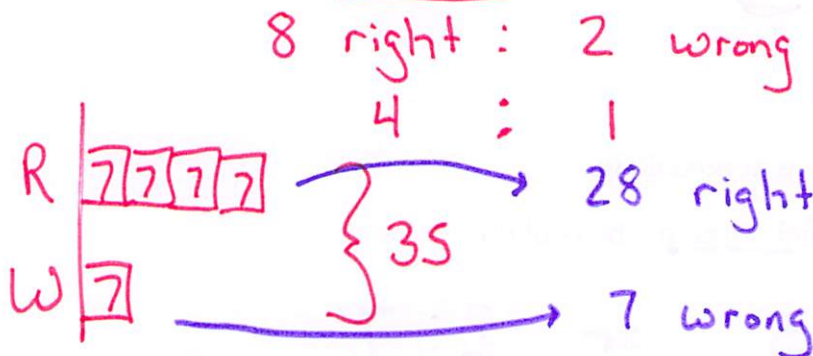
Use a total of 20 tablespoons of oil and vinegar.

2. There are 12 more boys than girls at a school play. The ratio of boys to girls is 7:5. How many students were there altogether?

B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | = 42 boys

12

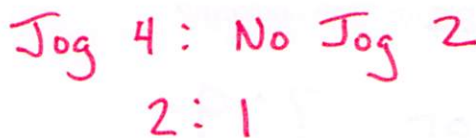G | 6 | 6 | 6 | 6 | 6 | = ± 30 girls
                        72

72 Students

3. Barb wants to get 8 out of every 10 questions right on her test. If there are 35 questions on the test, how many will Barb want to get right?
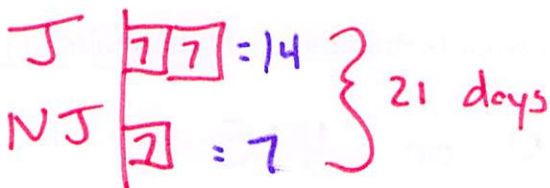
8 right : 2 wrong
    4   :   1

R | 7 | 7 | 7 | 7 |
W | 7 |

} 35

→ 28 right
→ 7 wrong

28 Questions

4. Solomon goes jogging 4 out of every 6 days. How many days will Solomon jog in 3 weeks?

Jog 4 : No Jog 2
    2 : 1

21 days

J | 7 | 7 | = 14
NJ | 7 | = 7

} 21 days

14 Days

5. At the start of the day, the ratio of apples to oranges to pears at a local market is $3 : 5 : 2$.

$$3 : 5 : 2$$

a. If the market had 150 apples at the start of the day, how many pears were there?
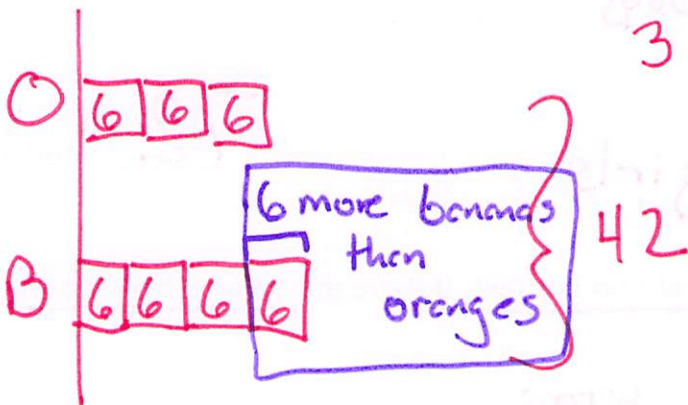
A | 50 | 50 | 50 | = 150

O | 50 | 50 | 50 | 50 | 50 | = 250

P | 50 | 50 | = **100 pears**

b. How many more oranges were at the market than apples?

$$250 - 150 = \boxed{100 \text{ more oranges than apples}}$$

6. In a basket of fruit containing bananas and oranges, $\frac{3}{7}$ of the pieces of fruit were oranges. If there were 42 pieces of fruit in the basket, how many more bananas were there than oranges?

3 oranges : 4 bananas

O | 6 | 6 | 6 |

B | 6 | 6 | 6 | 6 |

6 more bananas then oranges } 42

6. There were 35 children and 10 adults at a cookout.

a. What is the ratio of adults to children at the cookout?

$$10 : 35 \quad \text{or} \quad 2 : 7$$

b. What is the ratio of children to total people and the cookout?

$$35 : 45 \quad \text{or} \quad 7 : 9$$

c. Five more children came to the cookout. Now what is the ratio of children to total people?

40 children
10 adults

$$40 : 50 \quad \text{or} \quad 4 : 5$$