

## Proportions Assignment

Part 1: Draw a  if the given proportion is true and a  if false.

1.  $13:26 = 26:52$

☐

2.  $100:75 = 25:3$

☐

3.  $6:8 = 75:100$

☐

4.  $16:20 = 36:45$

☐

5.  $49:70 = 10:7$

☐

Part 2: Solve for the unknown.

1.  $a:6 = 2:5$

2.  $5:2 = b:4$

3.  $15:21 = 20:c$

4.  $108:d = 18:7$

5.  $40:2 = e:5$

## Proportions Assignment

6.  $f:126 = 3:14$

7.  $1050:60 = 350:g$

### Part 3: Solve the proportion to find the answer.

1. In one publishing office, there are 5 printers for 20 computers. Another publishing office has 16 printers for 64 computers. Is the ratio of printers to computers of the two publishing offices proportional?
2. In a football league, the ratio of male to female is 4:3. If there are 48 female players, how many are males?
3. 6 liters of water for every 8 lemons is needed to make lemonade. How many liters of water is needed for 80 lemons?