

### Practice Questions

1. The ratio of calls answered by machine to those answered by a possible client is 20 to 1. Every day Bug-U-Often makes 10,500 phone solicitations. How many of these calls are answered by a possible client?
2. Patty won 5 games for every 3 games she lost. Altogether she played 32 dodge ball games. How many games did she win?
3. The ratio of the people who registered to vote to those who did not register in Whickeynot Village was 3:2. 360 people of voting age live in Whickeynot. How many people registered to vote?
4. There is a total of 360 people at the concert. The ratio of the number of men to the number of women at the concert is 7:2. How many of the attendees are women?
5. We planted 500 trees. For every 3 deciduous trees planted we planted 2 conifers. How many conifers were planted?
6. For every \$9 that I make I spend \$2. The rest goes to my husband. If my weekly take-home pay is \$560, how much does my husband get for bills each week?
7. Bare Bear products spends \$500 on office paper products each quarter. The cost ratio of envelopes to copy paper is 2 to 23. To make a decision on whether or not to change supply companies, figure how much is spent on copy paper each quarter.
8. Hugo spends  $\frac{1}{2}$  hour sitting at work for every 3 hours standing. Approximately how many hours are spent standing in an eight hour work day?
9. 5000 people visit Fun Time amusement park each day. The ratio of those who buy souvenirs to those who don't is 3 to 5. How many people buy souvenirs each day?
10. Mary and her sister make cascarones for the children in the spring. The women make them in a ratio of 2 to 3, Mary to her sister. How many does Mary make if together they make 150?

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

Date \_\_\_\_\_

Topic : Ratio Word Problems - Worksheet 1

Solve the following:

1. There are a total of 63 bikes. If the ratio of blue bikes to black bikes is 4 to 5, how many of the bikes are blue?
2. Paul can walk 15 steps in 5 minutes. How long does it take Paul to walk 75 steps at the same speed?
3. Candy is at the balloon shop and sees that 10 balloons cost \$0.15. He needs 50 balloons to decorate his room. How much will 50 balloons cost?
4. It takes 8 people to pull a 16 ton truck. How many people would it take to pull a 60 ton truck?
5. Which is bigger, one fourth of 16 or one third of 24?
6. If a globe rotates through 150 degrees in 5 seconds, how many rotations does it make in 30 seconds?
7. If the ratio of white pens to green pens is 2 to 8 and there are a total of 30 pens, how many pens are white?
8. Giles is searching for a sock and discovers that he has 10 socks for every 5 pairs of shoes. If he has 20 socks, how many pairs of shoes does he have?
9. The sum of two numbers is 150. The ratio of the same two numbers is 3:2. Find the bigger number.
10. If the ratio of pink flower to blue flower is 3 to 6 and there are total 72 flowers, how many of them are pink?

