

**Ratio and Rates Word Problems**

 *Solve each word problem.*

- 1) Bob has 12 red cards and 20 green cards. What is the ratio of Bob's red cards to his green cards? \_\_\_\_\_
- 2) In a party, 10 soft drinks are required for every 12 guests. If there are 252 guests, how many soft drinks is required? \_\_\_\_\_
- 3) In Jack's class, 18 of the students are tall and 10 are short. In Michael's class 54 students are tall and 30 students are short. Which class has a higher ratio of tall to short students? \_\_\_\_\_
- 4) The price of 3 apples at the Quick Market is \$1.44. The price of 5 of the same apples at Walmart is \$2.50. Which place is the better buy? \_\_\_\_\_
- 5) The bakers at a Bakery can make 160 bagels in 4 hours. How many bagels can they bake in 16 hours? What is that rate per hour? \_\_\_\_\_
- 6) You can buy 5 cans of green beans at a supermarket for \$3.40. How much does it cost to buy 35 cans of green beans? \_\_\_\_\_
- 7) The ratio of boys to girls in a class is 2:3. If there are 18 boys in the class, how many girls are in that class? \_\_\_\_\_
- 8) The ratio of red marbles to blue marbles in a bag is 3:4. If there are 42 marbles in the bag, how many of the marbles are red? \_\_\_\_\_



## Answers

- 1) 3:5
- 2) 210
- 3) The ratio for both classes is 9 to 5.
- 4) Quick Market is a better buy.
- 5) 640, the rate is 40 per hour.
- 6) \$23.80
- 7) 27
- 8) 18