Name:

Date:

Ratio and Rates Word Problems

Solve.

1) Are these ratios equivalent?
12 cards to 72 animals 11 marbles to 66 marbles

2) In a party, 10 soft drinks are required for every 12 guests. If there are 252 guests, how many soft drink is required?

3) In a party, 10 soft drinks are required for every 12 guests. If there are 252 guests, how many soft drinks is required? _____

4) 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?

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) 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?
_____

7) 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?

8) 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? _____

9) Bob has 12 red cards and 20 green cards. What is the ratio of Bob's red cards to his green cards?
_____

10) 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?

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1) Are these ratios equivalent?
12 cards to 72 animals 11 marbles to 66 marbles

Yes! Both ratios are 1to 6

2) In a party, 10 soft drinks are required for every 12 guests. If there are 252 guests, how many soft drink is required?

210

3) In a party, 10 soft drinks are required for every 12 guests. If there are 252 guests, how many soft drinks is required? _____

210

4) 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?

$23.80

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? _____

640,**the rate is 40 per hour.**

6) 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?
_____

27

7) 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?

The ratio for both class is equal to 9 to 5

8) 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? _____

Quick Market is a better buy.

9) Bob has 12 red cards and 20 green cards. What is the ratio of Bob's red cards to his green cards?
_____

3 : 5

10) 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?

640**, the rate is 40 per hour.**