1. The ratio of males to females in a room is 2 to 5. If there are 35 people in the room, how many are male?

2. In a store, the ratio of hats to shirts is 4:5 . After 4 hats are taken away the new ratio is 3:5. How many shirts are in the store?

3. The length of a rectangle is 4 times the width. What is the ratio of the width to the perimeter?

4. A box contains only blue and red marbles. There are 200 marbles in the box. 3/5 of the marbles are blue. How many red marbles are there?

5. 6 apples for $14, what is the unit rate?

6. John's new sports car gets 165 miles on 11 gallons of gas. How many miles per gallon does the sports car get?

7. A box with 50 marbles has only blue and red marbles. If 20 marbles are red, what is the ratio of blue marbles to red marbles?

8. At a school, exactly 410 students are seniors. 40% of the students at the school are seniors. How many students attend the school in total?

9. In a classroom the ratio of boys to girls is 2:3. There are 25 students in the class. How many are girls?

10. Anna volunteers at a pet shelter. They have cats and dogs. There are 36 pets in total at the shelter, and the ratio of dogs to cats is 4:5. How many cats are at the shelter?

11. The ratio of red marbles to green marbles is 2:7. There are 36 marbles in total. How many are red?

12. Anna drove her car 345 miles and used 15 gallons of gasoline. At the same rate, how many miles could she drive her car using 35 gallons of gasoline? Set up and solve a proportion.

13. Andy can create 24 homework problems in 1.5 hours. If he remains this efficient, how many homework problems can he create in 8 hours? Set up and solve a proportion.

14. An apartment with 680 square feet of floor space rents for $1000 a month. A larger apartment rents for $1400 a month. The cost per square foot for each office is the same. How much floor space is in the larger office?

15. Mike can write 3 pages of a report in 40 minutes. At this speed, how many minutes will it take Mike to write a 18 page report?

16. The ratio of students to parents at a softball game was 4 to 5. There were 155 parents at the game. How many students were at the game?

17. The bank will lend a business $1600 and charge $48 per month simple interest. What monthly interest rate will the students pay? Set up a proportion to solve.