

Real World Applications for Ratio & Proportions / Percentages (A)

(A Ratio is a comparison of two numbers: 2 to 3 or 2:3)

(A Proportion is a statement of two equal ratios! 3 to 4 = 6 to 8)

(Law of Ps : Product of Outside Numbers equals Product of Inside Numbers)

(A Percent is a ratio of a Number to 100! 75% equals 75 to 100)

(Percent Statement changed to Proportion: 25% of 8 is 2 25 to 100 = 2 to 8)

(**Remember:** Is number equals Inside & Of number equals Outside)

1. An Elementary Class of students has a ratio of Boys to Girls at 2 to 3.
The class has 10 Boys. How many Girls in class?
2. A recipe for Chocolate & Raisins cookies has a ratio of Cs to Rs at 3 to 4.
If 12 Raisins are in the cookies then how many Chocolates?
3. Tom & Mary went fishing and they caught a ratio of 7 to 5.
Tom is a better fisher! Mary caught 15 fish. How many did Tom catch?
4. Jane & Pete created posters for a ball game with a ratio of 5 to 4.
Jane made more posters and she made 10 posters. How many did Pete make?
5. (50%) of twelve Beautiful Yellow Bananas is how many?
Yummy Yellow Bananas! A Percent is a ratio of a Number to 100!
6. What percent of the number twenty-four is 6? These numbers are good friends!
A Percent is a ratio of a Number to 100!
7. (75%) of 24 ounces of Orange Drink is water. Orange Drink is good!
How many ounces is water?
8. What percent of 40 Dollars, an investment, is 70 Dollars? Good investment!
A Percent is a ratio of a Number to 100!

Real World Applications for Ratio & Proportions / Percentages (B)

(A Ratio is a comparison of two numbers: 3 to 4 or 3:4)

(A Proportion is a statement of two equal ratios! 2 to 3 = 4 to 6)

(Law of Ps: Product of Outside Numbers equals Product of Inside Numbers)

(A Percent is a ratio of a Number to 100! 25% equals 25 to 100)

(Percent Statement changed to Proportion: 25% of 8 is 2 25 to 100 = 2 to 8)

(**Remember:** Is number equals Inside & Of number equals Outside)

1. An MS Class of students has a ratio of Boys to Girls which is 3 to 5.
The class has 6 Boys. How many Girls in class?
2. A recipe for Cherry & Nut cookies has a ratio of Cs to Ns being 3 to 2.
If 6 Nuts are in the cookies then how many Cherries?
3. Mike & Beth went fishing and they caught a ratio of 4 to 5 fish.
Beth caught more and she caught 10 fish. How many did Mike catch?
4. Kathy & Jerry created prizes for a class activity with a ratio of 7 to 3.
Kathy created more prizes. Kathy made 14 posters. How many did Jerry make?
5. (50%) of twenty-four Beautiful Red Apples is how many?
I really like Red Apples! A Percent is a ratio of a Number to 100!
6. What percent of the number thirty-two is 8? These numbers are good friends!
A Percent is a ratio of a Number to 100!
7. (75%) of 32 ounces Skim Milk is water. Fat Free Skim Milk is good!
How many ounces is water?
8. What percent of 60 Dollars, an investment, is 90 Dollars? Good investment!
A Percent is a ratio of a Number to 100!