

**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 & Rasins 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!