

Ratio Worksheets

Word Problems - Give The Ratio

Math Worksheet 13



Name: _____

Solve the following word problems. Show your solutions then simplify your answers. The first one is done for you.

In a class, there are 12 boys and 16 girls. What is the ratio of boys to girls?

SOLUTION: boys = 12 simplify 12:16
 girls = 16 12/4= 3, 16/4=4
 boys:girls 3:4
 12:16

ANSWER = _____ 3:4

A shirt has 5 hearts for every 10 circles. What is the ratio of hearts to circles?

SOLUTION:

ANSWER = _____

Joel bought 27 fruits in the market, of which 12 are apples and 15 are oranges. What is the ratio of apples to all the fruits that she bought?

SOLUTION:

ANSWER = _____

Mr. Carlson's Math class has 30 students, of which 12 are males and the rest are females. What is the ratio of females to all the students in the class?

SOLUTION:

ANSWER = _____

Nigel received 10 stars and 15 diamonds during a voting event. What is the ratio of stars to diamonds?

SOLUTION:

ANSWER = _____



Solve the following word problems. Show your solutions then simplify your answers. The first one is done for you.

In a class, there are 12 boys and 16 girls. What is the ratio of boys to girls?

SOLUTION: boys = 12
girls = 16
boys:girls
12:16

simplify 12:16
 $12/4 = 3$, $16/4 = 4$
3:4

ANSWER = 3:4

A shirt has 5 hearts for every 10 circles. What is the ratio of hearts to circles?

SOLUTION: hearts = 5
circles = 10
hearts:circles
5:10

simplify 5:10
 $5/5 = 1$, $10/5 = 2$
1:2

ANSWER = 1:2

Joel bought 27 fruits in the market, of which 12 are apples and 15 are oranges. What is the ratio of apples to all the fruits that she bought?

SOLUTION: all fruits = 27
apples = 12
apples:all fruits
12:27

simplify 12:27
 $12/3 = 4$, $27/3 = 9$
4:9

ANSWER = 4:9

Mr. Carlson's Math class has 30 students, of which 12 are males and the rest are females. What is the ratio of females to all the students in the class?

SOLUTION: all students = 30
males = 12
females = $30 - 12 = 18$
females:all students
18:30

simplify 18:30
 $18/6 = 3$, $30/6 = 5$
3:5

ANSWER = 3:5

Nigel received 10 stars and 15 diamonds during a voting event. What is the ratio of stars to diamonds?

SOLUTION: stars = 10
diamonds = 15
stars:diamonds
10:15

simplify 10:15
 $10/5 = 2$, $15/5 = 3$
2:3

ANSWER = 2:3