Name: .... Class: ....

Write a ratio word problems

a. In Anna's class, there are 12 girls and 20 boys. What is the ratio of the number of :
(a) Girls to boys?   (b) boys to total number of pupils?

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b. Anabel has a collection of 99 marbles. There are 20 red marbles, 55 blue marbles, and the rest are white. What is the ratio of white marbles to the total marbles? Simplify and write your answer using (**/**)

c. A school health club has 50 members of which 35 are females, and the rest are males. What is the ratio of males to females?

mathskills4kids

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Write a ratio word problems

a. In Anna's class, there are 12 girls and 20 boys. What is the ratio of the number of :
(a) Girls to boys?   (b) Boys to total number of pupils?

(a) Girls to boys?
  Number of girls = 12
  Number of boys = 20
  Therefore, ratio of girls to boys = 12 : 20
  12 : 20 in its lowest terms = 3 : 5
(b) Boys to total number of pupils?
  Total number of pupils = 20 + 12 = 32
  Therefore, the ratio of boys to total number of pupils = 20 : 32.
  20 : 32 in its lowest terms = 5 : 8

b. Anabel has a collection of 99 marbles. There are 20 red marbles, 55 blue marbles, and the rest are white. What is the ratio of white marbles to the total marbles? Simplify and write your answer using **/**
  Total number of marbles = 99
  Number of red marbles = 20
  Number of blue marbles = 55
  Total number of red and blue marbles = 20 + 55 = 75
  Therefore, number of white marbles = Total marbles - red and blue marbles.
                = 99 - 75 = 24
  So, ratio of white marbles to total number of marbles = 24 : 99 = 24/99 = 8/33

c. A school health club has 50 members of which 35 are females, and the rest are males. What is the ratio of males to females?
  Number of females = 35
  Total number of club members = 50
  Therefore, number of males = number of club members - number of females
  50 - 35 = 15 males.
  So, the ratio of males to females = 15 : 35 or 3 : 7