

Name _____ Date _____

Ratio and proportion word problems: Lesson

Problem:

In Math class there are 60 students.

The ratio of boys and girls was 4:6.

How many boys and girls are there?

Solution

Step 1: The ratio of boys and girls in a class is 4:6

Step 2: There are 60 students in class.

Step 3:

Every 4 students out of 10 students are boys, and every 6 are girls out of 10 students.

Step 4: Number of boys = $\frac{4}{10} \times 60 = 24$ Boys

Step 5: Number of girls = $\frac{6}{10} \times 60 = 36$ Girls

Step 6: **Answer:** 24 boys and 36 girls

Practice Problems

Find out:

A. Fred can run 12 blocks in 6 minutes. What is the time to run 24 blocks?

B.

The speed a player can run at a rate of $2\frac{3}{7}$ blocks per minutes. How long does it take the player to run 10 blocks?