

Problems Types: Part-Whole

Multiplication:

For every 4 boys in the class, there are 5 girls. There are 54 students in the class. How many are girls?

$$4 + 5 = 9 \text{ (4:5)}$$

$$6 \times 9 = 54$$

$$6 \times 5 = 30$$

Division by Sharing:

For every 4 boys in the class, there are 5 girls. There are 30 girls in the class. How many boys are in the class?

$$30 \div 5 = 6$$

$$6 \times 4 = 24$$

Division by Measuring / Grouping:

In a class of 54 students, 24 are boys. What is the ratio of boys to girls?

$$54 - 24 = 30$$

$$24:30 \text{ is the same as } 4:5$$

1. For every 3 boys in the class, there are 5 girls. There are 40 students in the class. How many are girls?
2. For every 4 boys in the class, there are 5 girls. There are 90 students in the class. How many are girls?
3. For every 4 boys in the class, there are 5 girls. There are 180 students in the class. How many are girls?
4. For every 4 boys in the class, there are 5 girls. There are 50 girls in the class. How many boys are in the class?
5. For every 4 boys in the class, there are 5 girls. There are 100 girls in the class. How many boys are in the class?