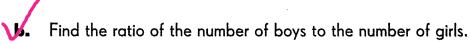
## **Worksheet 3** Real-World Problems: Ratios

## Solve. Show your work.

- 1. There are 40 student volunteers at a charity fundraiser. Of the volunteers, 12 are boys.
  - **a.** How many student volunteers are girls?

$$40 - 12 = 28$$

28 are girls.





12:28 is the ratio of the number of boys to the number of girls.

- 2. Mrs. Roberts bought 48 potatoes and carrots. She cooked all of the 16 carrots for a family meal.
  - a. How many potatoes did she buy?

She bought 32 potatoes.

What is the ratio of the number of carrots to the number of potatoes?

32:16 is the ratio of the number of carrots to the number of potatoes.

32:16

32 potatoes

16 carrots

## Solve. Show your work.

The ratio of the number of boys to the number of girls in a fund-raising club is 2:3. There are 18 girls in the club. How many boys are in the club?

\_\_\_\_\_\_boys are in the club.

4. A shopkeeper has corn flour and wheat flour. The ratio of the weight of the corn flour to the weight of the wheat flour is 3:5. The weight of the corn flour is 21 pounds. What is the weight of the wheat flour?

21 divided by 3 = 7

$$5 \times 7 = 35$$

The weight of the wheat flour is 35 pounds.

21:35

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Date: <u>2-3-2021</u>

5. Fiona made a mango shake using mango syrup and milk. The ratio of the amount of mango syrup to the amount of milk was 5 : 8. Fiona used 32 liters of milk. How much mango syrup did Fiona use?

5:8

8 5

32 ?

32 divided by 8 = 4

Fiona uses 20 liters of mango syrup.

 $5 \times 4 = 20$ 

20:32