

Exercises - Ratios and Rates

1

The ratio of $1\frac{3}{4}$ to $2\frac{1}{2}$ is equal to the ratio of 14 to what number?

- A) 18
- B) 20
- C) 22
- D) 24

2

The sum of two numbers is 14 and the ratio of the two numbers is -3 . What is the product of the two numbers?

- A) -105
- B) -119
- C) -133
- D) -147

3

If $2(x - y) = 3y$, what is the ratio $\frac{x}{y}$?

- A) $\frac{2}{5}$
- B) $\frac{4}{3}$
- C) $\frac{5}{2}$
- D) $\frac{8}{3}$

4

The ratio of length to width of a rectangular garden is $6:7$. If the perimeter of the rectangle is 78 meters, what is the area of the garden in square meters?

- A) 274
- B) 326
- C) 352
- D) 378

5

A car travels 218.5 miles on 9.5 gallons of gas. What is the car's gas mileage?

6

At a grocery store, 20 fl oz of brand *A* vitamin water is sold for \$0.95. What is the unit price of the vitamin water per ounce, to the nearest cents?

7

The density of aluminum is 2.7 grams per cm^3 . How many grams does 12 cm^3 of aluminum weigh?