

ANSWERS

UNIT RATES

Instructions: Determine the unit rate for each problem.

Exercise 1:

A runner covers 15 miles in 3 hours. What is the runner's speed in miles per hour?

Solution:

Divide the total distance by the time:
15 miles ÷ 3 hours = 5 miles per hour.



Exercise 2:

A car consumes 24 gallons of fuel to travel 360 miles. How many miles does the car travel per gallon?

Solution:

Divide the total miles by the number of gallons:
360 miles ÷ 24 gallons = 15 miles per gallon.



Exercise 3:

A factory produces 800 bags in 5 days. How many bags are produced per day?

Solution:

Divide the total number of bags by the number of days:
800 bags ÷ 5 days = 160 bags per day.

Exercise 4:

A landscaper mows 6 lawns in 3 hours. How many lawns does the landscaper mow per hour?

Solution:

Divide the total number of lawns by the number of hours:
6 lawns ÷ 3 hours = 2 lawns per hour.

How Did You Do? 😊 😐 😞