

Unit Rates Worksheet

Part 1: Building a Foundation

Unit Rates Worksheet

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What is a unit rate?
Hint: Think about how a unit rate compares quantities.
A) A comparison of two different quantities B) A rate that compares a quantity to one unit of another quantity
C) A measure of speed
O) A type of graph
Which of the following are examples of unit rates? (Select all that apply)
Hint: Look for rates that compare quantities to one unit.
A) 50 miles per hour
B) 3 apples
□ C) \$5 per item□ D) 10 liters
Explain why unit rates are useful in everyday life.
Hint: Consider how unit rates help in making comparisons.

List two operations involved in calculating a unit rate.



Hint: Think about the mathematical operations used.
1. Operation 1
2. Operation 2
What operation is primarily used to calculate a unit rate?
Hint: Consider the main mathematical operation involved.
○ A) Addition
○ B) Subtraction
C) Multiplication
O) Division
Part 2: Comprehension and Application
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If a car travels 180 miles in 3 hours, what is the unit rate in miles per hour?
Hint: Divide the total miles by the total hours.
○ A) 30 miles per hour
○ B) 60 miles per hour
○ C) 90 miles per hour
O) 180 miles per hour
Which of the following scenarios involve calculating a unit rate? (Select all that apply)
Hint: Look for scenarios that require a comparison to one unit.
A) Determining the cost per pound of fruit
B) Measuring the height of a building
C) Calculating the speed of a runner
D) Counting the number of students in a class

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Describe how you would find the unit rate for the price of apples if 10 apples cost \$15.

Hint: Think about the calculation needed to find the price per apple.



You buy 8 gallons of milk for \$24. What is the cost per gallon?	
Hint: Divide the total cost by the number of gallons.	
○ A) \$2	
○ B) \$3	
O C) \$4	
OD) \$5	
A car travels 300 miles using 10 gallons of fuel. Calculate the fuel efficiency in miles per gallon.	
Hint: Think about how to express the distance per gallon of fuel.	
Part 3: Analysis, Evaluation, and Creation	
Which of the following best describes the relationship between unit rates and ratios?	
Hint: Consider how unit rates are a specific type of ratio.	
○ A) Unit rates are a type of ratio	
O B) Ratios are a type of unit rate	
C) They are unrelated	
O) Unit rates are always larger than ratios	

Analyze the following scenarios and identify which involve unit rates. (Select all that apply)



t: Look for scenarios that require a comparison to one unit.	
A) Comparing the price of two different brands of cereal	
B) Measuring the length of a table	
C) Calculating the cost per mile for a taxi ride	
D) Determining the number of pages in a book	
plain how converting units can affect the calculation of a unit rate.	
t: Consider how different units can change the outcome.	
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wo stores offer different unit rates for the same product, what should you consider to determine better buy?	
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e better buy? It: Think about what factors influence your purchasing decision.	
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Hint: Think about a scenario where unit rates are applicable.



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List two factors that might influence your decision when choosing between two different unit for a product.	rates
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for a product.	rates
for a product. Hint: Consider what aspects are important in your decision-making process.	rates
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