

Grade 6 - Unit Rates and Rate Language - Worksheet

Common Core 6.RP.A.2, 6.RP.A.3b · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **grade 6 unit rates worksheet** for 6th Grade covers unit rates and rate language (Common Core 6.RP.A.2, 6.RP.A.3b), with a free PDF to print.

These 20 problems practice unit rates, unit prices, and speed (Common Core 6.RP.A.2 and 6.RP.A.3b). You will divide to find a unit rate, use it to scale up, compare better buys, and solve multi-step word problems with money, miles, and fractions.

Grade 6 · Common Core State Standards: **6.RP.A.2, 6.RP.A.3b**

Grade 6 unit rates worksheet: exercises 1 to 10

Exercise 1 - Unit price of notebooks

Notebooks	6	1
Cost	\$9	?

Six notebooks cost \$9.

A school store sells 6 notebooks for \$9. Find the cost of 1 notebook.

Exercise 2 - Reading pace

Priya reads 96 pages of a novel in 4 hours. Write her pace as a unit rate in pages per hour, and then as hours per page.

Exercise 3 - Typing speed

Mei typed 210 words in 7 minutes. Find the unit rate in words per minute.

Exercise 4 - Price per ounce

A jar of honey holds 8 ounces and costs \$2.40. Find the price per ounce.

Exercise 5 - Walking rate

Sofia walks $\frac{3}{4}$ mile in $\frac{1}{4}$ hour. Find her speed in miles per hour.

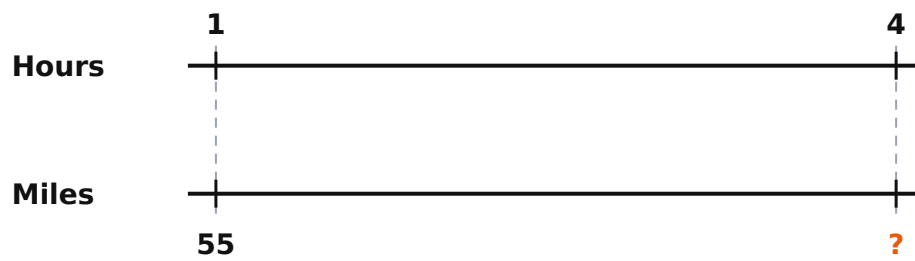
Exercise 6 - Rate language

A hose fills 15 gallons of a kiddie pool in 6 minutes. Write the unit rate in gallons per minute and say what it means using the word "per."

Exercise 7 - Cost of 7 items

One granola bar costs \$2.25. Find the cost of 7 granola bars.

Exercise 8 - Distance at constant speed



A car at 55 miles per hour.

A car drives at a constant speed of 55 miles per hour. Find how far it goes in 4 hours.

Exercise 9 - Better buy: cereal

Box	Ounces	Cost
Small	12	\$3.60
Large	18	\$5.04

Two sizes of cereal.

Decide which box of cereal is the better buy. Find the price per ounce of each box.

Exercise 10 - Heartbeat

Jamal counts 36 heartbeats in 30 seconds. Find the unit rate in beats per second, then in beats per minute.

Exercises 11 and up

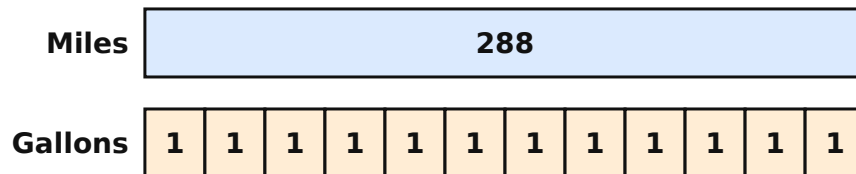
Exercise 11 - Hourly pay

Diego earned \$63.00 for 4.5 hours of yard work. Find his pay per hour.

Exercise 12 - Pages per day

Aisha read 84 pages in 6 days. At the same rate, how many pages will she read in 15 days?

Exercise 13 - Gas mileage



Twelve equal parts, one for each gallon.

A van drove 288 miles on 12 gallons of gas. Find the miles per gallon. Then find how far the van can go on 15 gallons.

Exercise 14 - Unit rate from a table

Hours	2	4	6
Pay	\$30	\$60	\$90

Pay for babysitting.

The table shows what Maya earns babysitting. Find her pay per hour.

Exercise 15 - Better buy: apples

A farmers market sells 5 pounds of apples for \$8.75 and 8 pounds for \$13.20. Find the price per pound of each deal and decide which is the better buy.

Exercise 16 - Who runs faster?

Aisha runs 3 miles in 27 minutes. Liam runs 5 miles in 40 minutes. Find each runner's minutes per mile and decide who runs faster.

Exercise 17 - Apples and change

At the farmers market, 5 pounds of apples cost \$7.50. Sofia buys 8 pounds of apples and pays with a \$20 bill. Find her change.

Exercise 18 - Road trip speeds

On a road trip the Garcia family drove 156 miles in 3 hours, then 224 miles in 4 hours. Find the speed for each part, and how far they would go in 5 hours at the speed of the first part.

Exercise 19 - Dripping faucet

A faucet drips $\frac{3}{4}$ gallon of water in 6 hours. Find the gallons per hour, then the gallons wasted in 24 hours.

Exercise 20 - Reading rate

Priya reads $\frac{2}{3}$ of a chapter in $\frac{1}{2}$ hour. Find her unit rate in chapters per hour and in hours per chapter.

Key facts behind this grade 6 unit rates worksheet

Key facts

- A unit rate has 1 in the second quantity, such as miles per 1 hour.
- Divide the first quantity by the second to find a unit rate.
- The word per means for each one.
- The lower unit price is the better buy when units match.
- Distance = rate x time at a constant speed.

How to use this grade 6 unit rates worksheet

Work through the exercises in order: they go from simple to challenging. Write every step on paper, then compare with the solutions page and redo any exercise you missed the next day.

Download the grade 6 unit rates worksheet as a PDF with the button below and keep it with your notes.