Solve Problems with Unit Rates

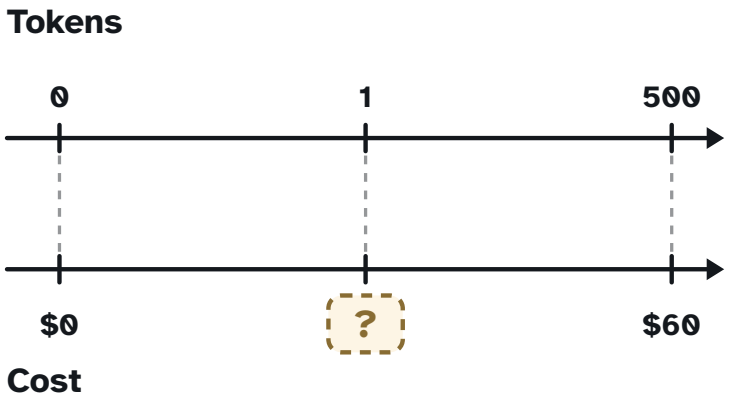
Use a unit rate, the cost for 1, to solve real problems and compare deals.

Name _____ **Date** _____

Tonight's spark

A supply shop sells 500 game tokens for $60. The rec center wants to compare this deal with other shops. How much does just 1 token cost?

Make a guess first: does 1 token cost more than $1, or less?



Our class model: find the cost for 1, then multiply

Try it

Work it out on paper. Write one answer on each line.

1. **100 stickers cost $25. What is the cost of 1 sticker?**

   A. $4.00 **B.** $0.25 **C.** $125 **D.** $75

   My answer _____

2. **A store sells 4 notebooks for $10. What is the price of 1 notebook?**

   A. $6.00 **B.** $14.00 **C.** $40.00 **D.** $2.50

   My answer _____

3. **The unit rate is $3 per pound. How much do 7 pounds cost?**

   A. $21 **B.** $10 **C.** $0.43 **D.** $4

   My answer _____

4 **Brand X: 3 cans for $2.40. Brand Y: 5 cans for $3.50. Which brand costs less per can?**

A. Brand X, $0.80 per can **B.** Brand Y, $0.70 per can **C.** Brand Y, $3.50 per can

D. They cost the same

My answer _____

5 **Rulers cost $0.75 each. How many rulers can you buy with $6?**

A. 0.125 **B.** 4.5 **C.** 6.75 **D.** 8

My answer _____

6 **A truck uses 12 gallons of fuel for 300 miles. How many miles is that per gallon?**

A. 288 **B.** 3,600 **C.** 25 **D.** 0.04

My answer _____

Talk about it

Can 1 token cost more than the whole $60 deal?

Home mission

Find a small box and a big box of the same food, like cereal. Read each price and amount. Ask your student: which costs less for just 1 ounce? Which is the better buy?

If we get stuck, ask

- What is the amount for just 1? Let's divide to find it.
- Now that we know the rate for 1, do we multiply or add to find the total?
- Does our answer make sense for that amount?

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/3-8/homework.html

How did it feel? (optional)

Tricky Getting there Got it