

GRADE 6 · RATIOS & PROPORTIONAL RELATIONSHIPS · HOMEWORK

UNIT RATES

Today's goal: I can use rate language in the context of a ratio relationship, identify real-world ratios and use them to determine unit rates and write a ratio a:b as a unit rate a/b.


Pick your peppers!

Everyone does Mild & Medium. Then climb as high as you can.


Mild

Tan the Turtle


Medium

Digit the Fox


Spicy

Blaze the Dragon

WATCH MR DJ SOLVE

A cyclist rides 100 miles in 2 hours at a steady pace. What is the speed in miles per hour?

1 $100 \div 2 = 50.$

Answer: **50 mph**



REMEMBER 5 pencils cost \$1.25. Cost of one pencil = $\$1.25 \div 5 =$ **\$0.25 per pencil**. To find a unit rate, divide the total by how many there are.


FAMILY CORNER

No need to remember this math yourself! Ask your student to teach you Mr DJ's example, then try the first Mild problem together.


MILD
Tan the Turtle: Slow and steady. Warm up!

1 4 bagels cost \$5.00. What is the cost of one bagel?

Answer _____


OOPS ALERT

Careful on #1! The slip Mr DJ sees most: Multiplied → \$20.00.

**MEDIUM****Digit the Fox:** Stretch your brain.

- 2 9 apples cost \$3.60. What is the cost of one apple?

Answer

- 3 7 markers cost \$8.75. What is the cost of one marker?

Answer

- 4 Grapes cost \$4.47 for 3 pounds. Find the cost per pound, then the cost of 6 pounds.

Answer

- 5 A reader finishes 180 pages in 6 days at a steady pace. Find pages per day, then pages in 10 days.

Answer

**SPICY****Blaze the Dragon:** Bring the heat!

- 6 A 10-pack of juice boxes costs \$7.50. Find the cost per box, then how many boxes you can buy with \$12.00.

Answer

- 7 Brand A: 6 yogurt cups for \$5.40. Brand B: 4 yogurt cups for \$3.80. Which is the better buy per cup? Show your work.

Answer



How did this sheet feel?

☐

Easy for me

☐

Just right

☐

Made me think

Stuck? Watch Mr DJ explain it

Step-by-step video lessons on YouTube: [youtube.com/@MathWithMrDJ](https://www.youtube.com/@MathWithMrDJ)

Brain break: daily puzzles

Three new math puzzles every day, free: puzzles.mathwithmrdj.com