



GRADE 7 · THE NUMBER SYSTEM · HOMEWORK

MULTIPLYING & DIVIDING RATIONAL NUMBERS

Today's goal: I can multiply rational numbers, divide rational numbers and multiply and divide rational numbers.



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



REMEMBER

Multiplying or dividing: same signs give a positive, different signs give a negative. Adding: two negatives stay negative. Count the negatives in a product — an even count is positive, an odd count is negative.



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 Find -8×5 .

Answer

2 Find $-8 \times (-5)$.

Answer

3 Find $-8 + (-5)$.

Answer



OOPS ALERT

Careful on #1! The slip Mr DJ sees most: Answered 40.



MEDIUM

Digit the Fox: Stretch your brain.

4 Find $-45 \div 9$.

Answer

5 Find $-45 \div (-9)$.

Answer

6 Find $-2^5 \times \frac{5}{6}$.

Answer

7 Find $\frac{1}{2} \div (-\frac{1}{4})$.

Answer



🔥🔥🔥 **SPICY**

Blaze the Dragon: Bring the heat!

- 8 Find $(-1) \times (-1) \times (-1) \times (-1)$. Explain your answer using the rule about counting negatives.

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