



GRADE 6 · RATIOS & PROPORTIONAL RELATIONSHIPS · PRACTICE

EQUIVALENT RATIOS

Today's goal: I can use equivalent ratios to represent the relationship between two quantities.

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



Extra Spicy

Pi the Owl

WATCH MR DJ SOLVE

Is 3:5 equivalent to 9:15? Show how you know.

1 $3 \times 3 = 9$, $5 \times 3 = 15$.

Answer: **Yes — $\times 3$ on both**



REMEMBER A recipe is 4 cups flour : 6 rolls. Make an equivalent ratio by scaling **both parts by the same number**: $\div 2 \rightarrow 2:3$, or $\times 2 \rightarrow 8:12$. Check two ratios are equivalent by reducing both to lowest terms.



MILD

Tan the Turtle: Slow and steady. Warm up!

1 Write a ratio equivalent to **2:3** by multiplying both parts by 4.

Answer

2 Write a ratio equivalent to **10:15** by dividing both parts by 5.

Answer



OOPS ALERT

Careful on #1! Blaze spotted the slip Mr DJ sees most: Scaled only one part.



Digit the Fox: Stretch your brain.

- Answer**

- Answer**

- **Answer**



Blaze the Dragon: Bring the heat!

- Answer**

- Answer**



EXTRA SPICY

Pi the Owl: Big-brain challenge.

8 Jordan says $4:6 = 6:9$. Is he right? Prove it.

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