

Ratio Tables

Lesson 3-2

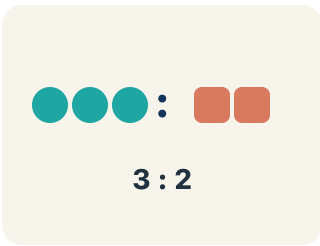
Name: _____

Date: _____

Class: _____

Key Vocabulary Level 2 Standard

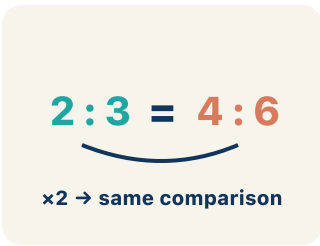
Picture first, then the word, then a plain-language meaning. Say each word out loud.



Cups of juice: 2, 4, 6 | Cups of water: 3, 6, 9

Ratio table

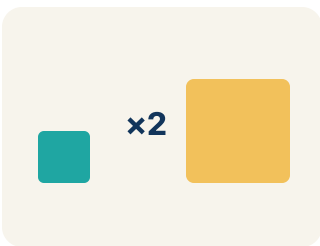
Write the definition:



2:3 = 4:6 = 6:9

Equivalent ratio

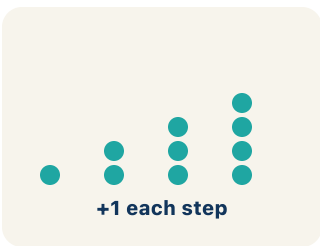
Write the definition:



2:3 x 2 -> 4:6 (scale factor is 2)

Scale factor

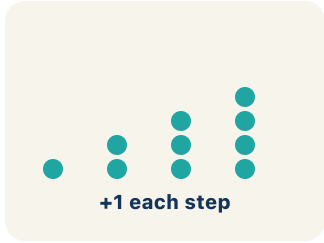
Write the definition:



Each row adds 2 cups juice and 3 cups water

Pattern

Write the definition:



$2:3 \rightarrow 4:6 \rightarrow 6:9$ (add 2 and 3 each time)

Additive pattern

Write the definition:

Guided Notes Level 2 Standard



WHAT WE'RE LEARNING TODAY

I can use a ratio table to find equivalent ratios.



Fill in each blank as we go. Use the Word Bank to help you.



WORD BANK – FILL EACH BLANK WITH THE BEST WORD

Ratio table

Equivalent ratio

Scale factor

Pattern

Additive pattern



Tap any word to see what it means and a picture.

1 A table that lists equivalent ratios in rows or columns is a

2 – Two ratios that mean the same thing, like 1:2 and 2:4.

3 The number you multiply a ratio by to get an equivalent ratio is the

4 A rule that the numbers in a table follow is a .

5 A pattern where you add the same amount each step is an

Watch & Try – Worked Examples

See the notes in action: watch one worked all the way through, then try the next with the same steps.

 **I do – watch**

Follow each step as your teacher solves it.


Problem: A recipe uses 3 eggs for every 5 cups of flour. How many eggs are needed for 15 cups of flour?

- A. 9
- B. 6
- C. 10
- D. 12

Step 1 The scale factor is $15 \div 5 = 3$.

Step 2 Multiply the eggs by 3: $3 \times 3 = 9$ eggs.


 **Answer:** A. 9

 **Try – put the steps in order**

Drag the cards (or use the ▲ ▼ buttons) to put the solution steps in the right order, then press **Check**.

Multiply the eggs by 3: $3 \times 3 = 9$ eggs.

The scale factor is $15 \div 5 = 3$.

 **We do – together**

Solve this one with your class using the same steps.

Problem: Which row does NOT belong in a ratio table for 4:5?

- A. 6:10
- B. 8:10
- C. 12:15
- D. 16:20

Step 1 _____

Step 2 _____

Answer: _____

 **You do — your turn**

Now try one on your own. Show every step.

Problem: A ratio table shows 3:7, 6:14, and 9:21. What is the next row?

- A. 12:28
- B. 10:24
- C. 12:24
- D. 15:28

Show your work:

Try It

Solve on your own. Check the answer key when you are done.

1. The food truck sells tacos at a steady rate: 2 tacos cost \$5. At that rate, how much do 6 tacos cost?

- A. \$15
- B. \$11
- C. \$12
- D. \$30

Show your work:

2. A smoothie recipe at the truck uses 4 cups of mango for every 3 cups of pineapple. How many cups of mango are needed for 9 cups of pineapple?

- A. 12
- B. 10
- C. 13
- D. 9

Show your work:

Stretch Your Thinking

Level 2 enrichment

Challenge task — explain your reasoning in full sentences.

A recipe uses 4 cups of flour for every 3 cups of sugar. A student filled in a ratio table: 4:3, 8:6, 12:9, 14:12. Find and fix the error in the last row. Explain what went wrong.

Show your work:

Reflect — Exit Ticket

A salad dressing recipe uses 2 tablespoons of oil for every 5 tablespoons of vinegar. How many tablespoons of oil are needed for 20 tablespoons of vinegar?

- A. 8
- B. 10
- C. 7
- D. 12

Your answer:
