

Key Concept and Vocabulary

You can find and organize equivalent ratios in a **ratio table**.

You can find equivalent ratios by:

- adding or subtracting quantities in equivalent ratios.
- multiplying or dividing each quantity in a ratio by the same number.

Blue Buttons	2	4	8	24
Red Buttons	3	6	12	36

$+2$ $+4$ $\times 3$
 $+3$ $+6$ $\times 3$



Skill Example

1.

Miles	3	6	9	12
Days	1	2	3	4

$+3$ $+3$ $+3$
 $+1$ $+1$ $+1$

The equivalent ratios are
 3 : 1, 6 : 2, 9 : 3, and 12 : 4.

Application Example

2. You use 40 tablespoons of flour. How many tablespoons of olive oil do you use?

Olive Oil (tablespoons)	2	1	5
Flour (tablespoons)	16	8	40

$\div 2$ $\times 5$
 $\div 2$ $\times 5$



• You use 5 tablespoons of olive oil.

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Find the missing values in the ratio table.

3.

Feet	42	84		
Seconds	1		3	4

4.

Teachers	2			6
Students	7	14	42	

5.

Bricks	5		4	
Weight (pounds)	35	7		63

6.

Fiber (milligrams)	10	100		15
Servings	2		18	

7. **FUNDRAISER** For every 8 candles that you sell, you raise \$96. You raise \$288. How many candles did you sell? _____

8. **RUNNING** You run 10 miles in 12 days. Your goal is to run a total of 25 miles in 30 days. Are you on track to meet your goal? Explain.
