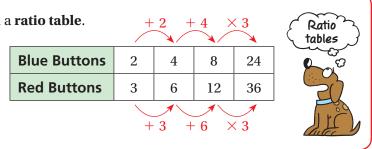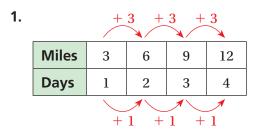# REVIEW: Ratio Tables

Name _____

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.

$+2 \quad +4 \quad \times 3$

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

$+3 \quad +6 \quad \times 3$

Ratio tables

Skill Example

1.

$+3 \quad +3 \quad +3$

Miles	3	6	9	12
Days	1	2	3	4

$+1 \quad +1 \quad +1$

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?

$\div 2 \quad \times 5$

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

$\div 2 \quad \times 5$

You use 5 tablespoons of olive oil.

PRACTICE MAKES *PURR*-FECT®

Check your answers at BigIdeasMath.com.

Find the missing values in the ratio table.

3.

Feet	42	84	126	168
Seconds	1	2	3	4

4.

Teachers	2	4	12	6
Students	7	14	42	21

5.

Bricks	5	1	4	9
Weight (pounds)	35	7	28	63

6.

Fiber (milligrams)	10	100	90	15
Servings	2	20	18	3

7. FUNDRAISER For every 8 candles that you sell, you raise $96. You raise $288. How many candles did you sell? __24 candles__

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.

yes; 10 miles in 12 days is equivalent to $10 \div 2 = 5$ miles in $12 \div 2 = 6$ days.

5 miles in 6 days is equivalent to $5 \times 5 = 25$ miles in $6 \times 5 = 30$ days.