



PRACTICE



TUTORIAL

Name: _____

2-3 Additional Practice

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1. At a café, the cook uses a recipe that calls for eggs and milk. The amounts of eggs and milk have a proportional relationship. Complete the table.

Ingredients in Recipe

Number of Eggs	2	3	<input type="text"/>
Cups of Milk	6	<input type="text"/>	12
$\frac{\text{Milk}}{\text{Eggs}}$	<input type="text"/>	$\frac{3}{1}$	$\frac{3}{1}$

2. **Use Structure** Is the relationship between x and y proportional? Explain. ©MP.7

x	y
5	25
6	30
7	35
8	40

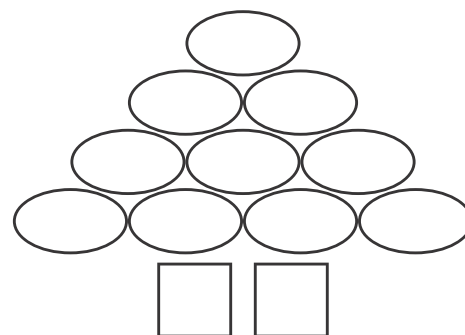
3. **Construct Arguments** Does the table show a proportional relationship between x and y ? Explain. ©MP.3

x	y
2	4
4	16
7	79
10	100

4. Does the table show a proportional relationship? If so, what is the value of y when x is $\frac{3}{5}$?

x	y
30	150
$\frac{1}{6}$	$\frac{5}{6}$
199	995
$\frac{2}{15}$	$\frac{2}{3}$

5. In a stationery design, the number of ovals is proportional to the number of squares. How many squares will there be when there are 75 ovals?



6. The table shows a proportional relationship between x and y .

a. Complete the table.

x	y	$\frac{y}{x}$
3	30	<input type="text"/>
5	50	<input type="text"/>
7	70	<input type="text"/>

b. Katerina says the ratio $\frac{y}{x}$ is $\frac{1}{10}$. What error did she likely make?

7. **Higher Order Thinking** Do the two tables show the same proportional relationship between x and y ? Explain.

x	500	750	1,000
y	1,250	1,875	2,500

x	3	4	5
y	4.2	5.6	7

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8. During snowstorms, the city sends out trucks to plow. The amount of snowfall and the number of trucks sent out are shown in the table.

Snow Plowing Plan

Snowfall (in.)	Trucks
6	15
8	20
12	30
18	45

PART A

Is the relationship between the amount of snowfall and the number of trucks proportional? Explain.

PART B

For a 23-inch snowfall, how many trucks would the city send out? Explain.

9. Which of the following statements about the table is true? Select all that apply.

- The table shows a proportional relationship.
- All the ratios $\frac{y}{x}$ for related pairs of x and y are equivalent to 7.5.
- When x is 13.5, y is 4.5.
- When y is 12, x is 4.
- The unit rate of $\frac{y}{x}$ for related pairs of x and y is $\frac{1}{3}$.

x	y
10.5	3.5
15.9	5.3
22.5	7.5
27	9

