Name _____

## Graph and Analyze Relationships

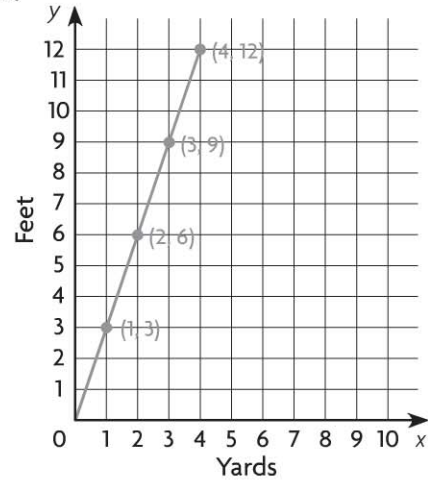**Graph and label the related number pairs as ordered pairs.
Then complete and use the rule to find the unknown term.**

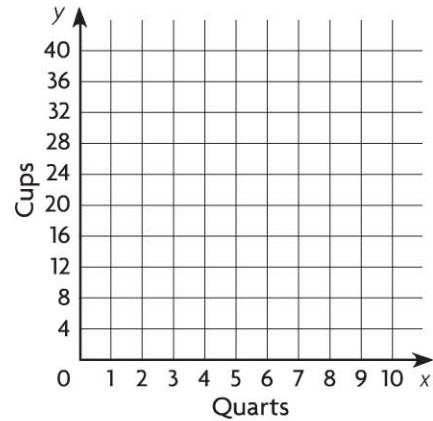1. Multiply the number of yards by ___**3**___ to find the number of feet.

| Yards | 1 | 2 | 3 | 4 |
|-------|---|---|---|-----|
| Feet  | 3 | 6 | 9 | **12** |



2. Multiply the number of quarts by _____ to find the number of cups that measure the same amount.

| Quarts | 1 | 2 | 3 | 4 | 5 |
|--------|---|---|----|----|---|
| Cups   | 4 | 8 | 12 | 16 |   |



## Problem Solving REAL WORLD

3. How can you use the graph for Exercise 2 to find how many cups are in 9 quarts?

_____

_____

_____

_____

_____

_____

4. How many cups are equal to 9 quarts? _____

## Lesson Check (CC.5.OA.3)

**Use the data to complete the graph. Then answer the questions.**

Paola is making a pitcher of iced tea. For each cup of water, she uses 3 tablespoons of powdered iced tea mix.
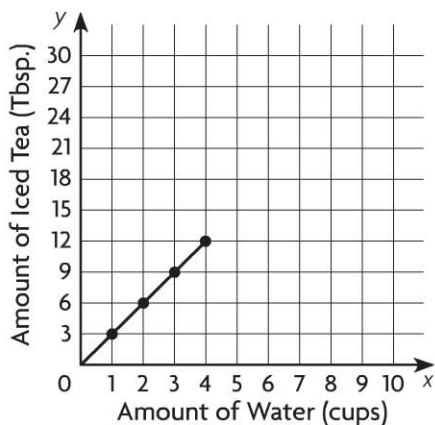


1. What rule relates the amount of iced tea mix to the amount of water?

   Ⓐ Multiply the amount of mix by 6.

   Ⓑ Multiply the amount of mix by 3.

   Ⓒ Multiply the amount of mix by $\frac{1}{3}$.

   Ⓓ Multiply the amount of mix by $\frac{1}{6}$.

2. Suppose Paola uses 18 tablespoons of iced tea mix. How many cups of water does she need to use?

   Ⓐ 3 cups

   Ⓑ 6 cups

   Ⓒ 9 cups

   Ⓓ 54 cups

## Spiral Review (CC.5.NBT.2, CC.5.NBT.6, CC.5.NBT.7)

3. A biologist counted 10,000 migrating monarch butterflies. How do you express 10,000 as a power of 10? **(Lesson 1.4)**

   Ⓐ $10^2$

   Ⓑ $10^3$

   Ⓒ $10^4$

   Ⓓ $10^5$

4. For which expression will the quotient be greater than 100? **(Lesson 2.6)**

   Ⓐ $5,394 \div 57$

   Ⓑ $6,710 \div 69$

   Ⓒ $7,198 \div 74$

   Ⓓ $8,426 \div 82$

5. What is $54.38 + 29.7$? **(Lesson 3.8)**

   Ⓐ 57.35

   Ⓑ 83.45

   Ⓒ 83.08

   Ⓓ 84.08

6. On a certain day, $1 is worth 30.23 Russian rubles. Omar has $75. How many rubles will he get in exchange? **(Lesson 4.5)**

   Ⓐ 2,267.25

   Ⓑ 2,256.25

   Ⓒ 362.76

   Ⓓ 2.48