

Name _____

Date _____

Proportional Relationships Word Problems - Guided Lesson
Explanation**Explanation#1**

Proportional quantities have a constant ratio.

This constant ratio is called the constant of proportionality.

The constant of proportionality is the coefficient of the independent variable.

The constant of proportionality is 2.

Explanation#2

As we know, the constant of proportionality is the coefficient of x or any variable. In the question, the variable is c and its coefficient is the answer.

So the constant of proportionality is 0.3.

Explanation#3

Coefficient of x or the independent variable is the constant of proportionality.
The constant of proportionality is 4.

We know that the number of cakes created depends on the number of hours they are baked. Let's let C be equal to the number of chocolate cakes and h is the number of hours baked. So the equation would be:

$$C = 4h$$

Number of Cakes	Hours Baked
4	1
8	2
12	3
16	4



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