Proportional Relationship Practice

Exercise B

1. Use the given information in the table to complete the different representations for the proportional relationship.

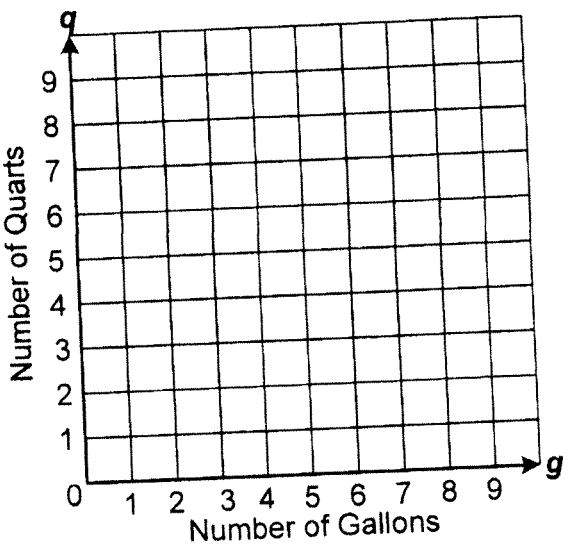
Proportional Relationship Table

Number of Gallons g	Process	Number of Quarts q
0		
1		
2		
3		
g		q

Constant of Proportionality

_____

Graph



Questions to Answer

a) Use the equation to calculate the number of quarts in 18.5 gallons.

b) Use the equation to determine the number of gallons in 22.5 quarts.

c) Use the equation to determine the number of quarts in 50.25 gallons.

Equation

Written Description

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Proportional Relationship Practice

2. Use the given information in the graph to complete the different representations for the proportional relationship.

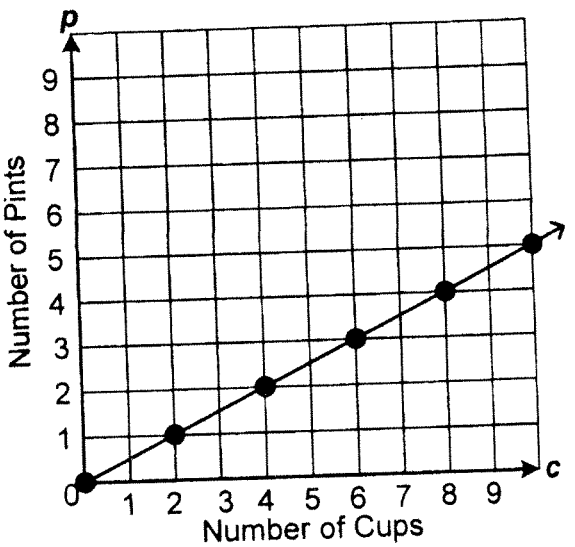
Proportional Relationship Table

Number of Cups *c*	Process	Number of Pints *p*
c		*p*

Constant of Proportionality

_____

Graph



Questions to Answer

a) Use the equation to calculate the number of pints in 7 cups.

b) Use the equation to determine the number of cups in 15 pints.

c) Use the equation to determine the number of pints in 21 cups.

Equation

Written Description

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Proportional Relationship Practice

3 Use the given information in the equation to complete the different representations for the proportional relationship.

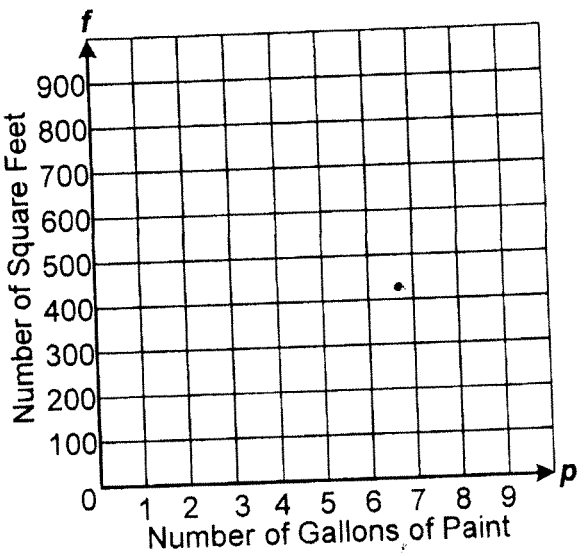
Proportional Relationship Table

Number of Gallons of Paint ***p***	Process	Number of Square Feet ***f***
p		***f***

Constant of Proportionality

_____

Graph



Questions to Answer

a) Use the equation to calculate the number of square feet painted with 12 gallons of paint.

b) Use the equation to determine the number of gallons of paint needed to paint 3,450 square feet.

c) Use the equation to determine the number of square feet painted with 5.5 gallons of paint.

Equation

$f = 300 \cdot p$

f is the number of square feet
p is the number of gallons of paint

Written Description

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