

> WORKED EXAMPLE

The bar model shows the ratio of hats to scarves a buyer purchases when placing an order. Create a table of equivalent ratios when the multipliers are 10, $1\frac{1}{2}$, and 8.



STEP 1 Represent the ratio in the table.

Hats	Scarves
2	4

STEP 2 Find an equivalent ratio.

Hats	Scarves
2	4
20	40

($\times 10$)

STEP 3 Find another equivalent ratio.

Hats	Scarves
2	4
20	40
3	6

($\times 10$)
($\times 1.5$)

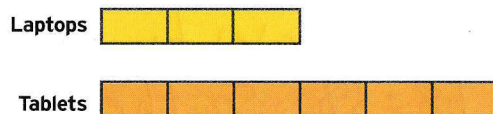
STEP 4 Complete the table.

Hats	Scarves
2	4
20	40
3	6
16	32

($\times 10$)
($\times 1.5$)
($\times 8$)

> TRY IT

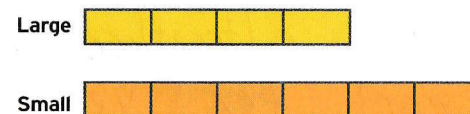
1 The bar model shows the ratio of laptops to tablets that an electronics store sells in a month. What is the ratio of laptops to tablets sold if the store sells twice as many items?



The ratio of laptops to tablets sold is _____.

> GUIDED LEARNING

2 The bar model shows the ratio of large to small boxes of e-readers at a warehouse. Create a table of equivalent ratios when the multipliers are 3, $\frac{1}{2}$, and 6.



STEP 1 Represent the ratio in the table.

Large	Small

The ratio of large boxes to small boxes is _____.

STEP 2 Find an equivalent ratio.

STEP 3 Find another equivalent ratio.

STEP 4 Complete the table.

_____, _____, _____, and _____ are equivalent ratios.

equivalent ratios (n) two or more ratios that have the same value

multiplier (n) the number we multiply by

EXIT Ticket

AROUND THE CAN'T READ

BLOCK 3

TOPIC 3

TOPIC 2

TOPIC 1

> PRACTICE

3 The bar model shows the ratio of adult outfits to children's outfits displayed in a store. Create a table of equivalent ratios when the multipliers are 7, $\frac{1}{2}$, and 23.



STEP 1 Represent the ratio in the table.

Adult	Children

The ratio of adult outfits to children's outfits is _____.

STEP 2 Find an equivalent ratio.

STEP 3 Find another equivalent ratio.

STEP 4 Complete the table.

_____, _____, _____, and _____ are equivalent ratios.

4 The bar model shows the ratio of TV ads to print ads to market a protein bar. Create a table of equivalent ratios when the multipliers are 6, $\frac{1}{4}$, and 12.



STEP 1 Represent the ratio in the table.

TV	Print

The ratio of TV ads to print ads is _____.

STEP 2 Find an equivalent ratio.

STEP 3 Find another equivalent ratio.

STEP 4 Complete the table.

_____, _____, _____, and _____ are equivalent ratios.

> Solve the problem.

The bar model shows the ratio of shoes to sneakers sold in a weekend. Create a table of equivalent ratios when the multipliers are 4, $\frac{1}{2}$, and 9.



Shoes	Sneakers

_____, _____, _____, and _____ are equivalent ratios.

> How is the table helpful when creating equivalent ratios?

The table is helpful because

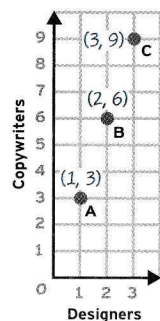
SCORE 0 1 2

0 = Incorrect or No Response
1 = Partial Response
2 = Complete and Accurate

> WORKED EXAMPLE

The graph shows the number of designers compared to the number of copywriters in an ad agency. What is the multiplicative relationship between designers and copywriters?

STEP 1 Label each point on the graph.



STEP 2 Complete the table.

Point	Designers	Copywriters
A	1	3
B	2	6
C	3	9

STEP 3 Express each point as a ratio.

Point A 1:3

Point B 2:6

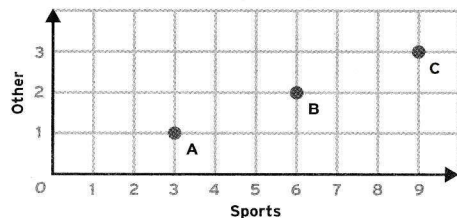
Point C 3:9

STEP 4 Find the multiplicative relationship.

The number of copywriters is 3 times the number of designers.

> TRY IT

1 The graph shows the number of sports commercials compared to other commercials during a basketball game. Use the graph to complete the ratio table.



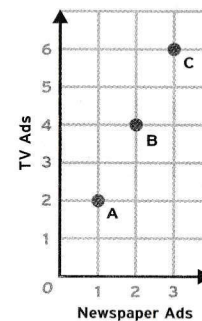
Sports	Other
3	1

The number of sports commercials is _____ times the other commercials.

> GUIDED LEARNING

2 The graph shows the number of newspaper ads compared to TV ads in a marketing campaign. What is the multiplicative relationship between TV and newspaper ads?

STEP 1 Label each point on the graph.



STEP 2 Complete the table.

Point	Newspaper Ads	TV Ads
A		
B		
C		

STEP 3 Express each point as a ratio.

Point A _____

Point B _____

Point C _____

STEP 4 Find the multiplicative relationship.

The number of TV ads is _____ times the number of newspaper ads.

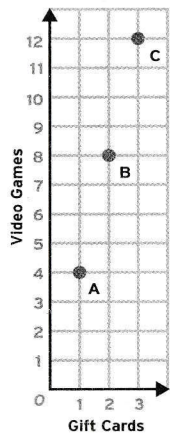
ordered pair (n) a pair of numbers used to locate the position of a point on a coordinate plane

coordinate (n) an ordered pair of numbers that gives the location of a point

> PRACTICE

3

The graph shows the number of gift cards given out by a gaming store to customers who buy 4 or more video games. What is the multiplicative relationship between gift cards and video games?



Point	Gift Cards	Video Games
A		
B		
C		

Point A _____

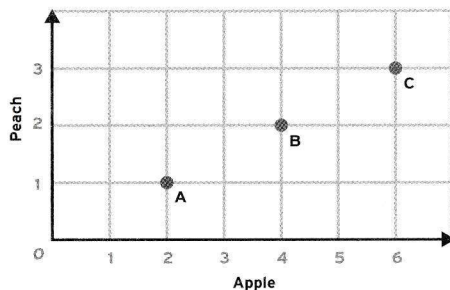
Point B _____

Point C _____

The number of video games is _____ times the number of gift cards.

4

The graph shows the number of apple pies compared to peach pies sold at a bakery in a day. What is the relationship between the sale of apple pies and peach pies?



Point	Apple	Peach
A		
B		
C		

Point A _____

Point B _____

Point C _____

The number of peach pies sold is _____ times the number of apple pies sold.

EXIT Ticket

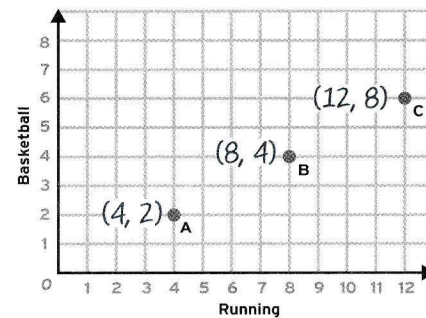
75% AROUND THE CORNER CAN'T REAL

BLOCK 3

TOPIC 3

> Find and fix the error.

Ella represents the ratio of running shoes to basketball shoes in a warehouse.



Point	Running	Basketball
A	4	2
B	8	4
C	12	8

The number of running shoes is $\frac{1}{2}$ times the number of basketball shoes.

> What error did Ella make? Explain.

The error Ella made was _____

SCORE 0 1 2

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TOPIC 2

TOPIC 1