



**THIRD SPACE  
LEARNING**

# Exit Tickets

**Domain: Ratio and Proportional  
Relationships**

**7th grade**

## Exit Tickets

Name: .....

Standard: 7.RP.A.1

Focus: Compute unit rates associated with ratios of fractions

Drea made  $\frac{1}{2}$  of a batch of cookies in  $\frac{1}{8}$  of an hour.

How many batches of cookies can she make in one hour?



Name: .....

Standard: 7.RP.A.2a

Focus: Decide whether two quantities are in a proportional relationship.

Directions: Circle all tables that show a proportional relationship between x and y.

x	y
10	2
20	4
25	5

x	y
2	8
4	12
8	16

x	y
3	9
5	15
7	21

x	y
8	6
10	8
12	10

x	y
3	4
6	8
12	16

x	y
4	1
12	3
16	4



# Exit Tickets

Name: .....

Standard: 7.RP.A.2b

Focus: Identify the constant of proportionality

Emma is baking chocolate chip cookies.

There is a proportional relationship between the amount of chocolate chips (in ounces),  $x$ , and the number of cookies she bakes,  $y$ .

$x$ (ounces of chocolate chips)	$y$ (number of cookies)
2	8
8	32
12	48

What is the constant of proportionality?

\_\_\_\_\_ cookies per ounce of chocolate chips



Name: .....

Standard: 7.RP.A.2c

Focus: Represent a proportional relationship using an equation

Haley is renting a car for the week. There is a proportional relationship between the number of days Haley rents the car,  $x$ , and the total cost,  $y$ .

If the price to rent a car is \$29 per day, write an equation that represents the relationship between the number of days Haley rents the car,  $x$ , and the total cost of the car rental,  $y$ .

\_\_\_\_\_



## Exit Tickets

Name: .....

The graph shows the relationship between the amount of gasoline and the price.

1. What does point G represent on the graph?

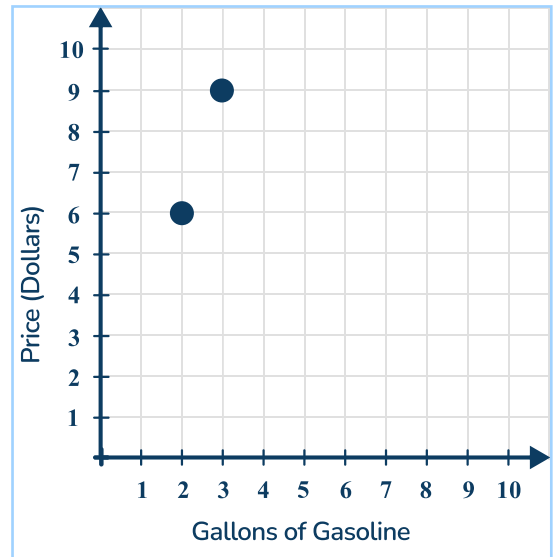
- a. 9 gallons of gas cost \$3
- b. 2 gallons of gas cost \$6
- c. 3 gallons of gas cost \$9
- d. 6 gallons of gas cost \$2

2. If you placed a point on the graph to represent the unit rate of gasoline, what would be the coordinates of that point?

(\_\_\_\_, \_\_\_\_)

Standard: 7.RP.A.2d

Focus: Explain what a point  $(x, y)$  on the graph of a proportional relationship means



THIRD SPACE LEARNING

Name: .....

Maria went shopping for a new laptop. She found a laptop priced at \$1,200 at a local electronics store. The store is offering a discount of 15% on all laptops. The sales tax rate is 8%. What is the total cost of the laptop?

Standard: 7.RP.A.3

Focus: Use proportional relationships to solve multistep ratio and percent problems



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Standard	Answer(s)																																																
7.RP.A.1	Drea makes 4 batches of cookies per hour.																																																
7.RP.A.2a	<div> <table border="1"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>10</td><td>2</td></tr> <tr><td>20</td><td>4</td></tr> <tr><td>25</td><td>5</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>2</td><td>8</td></tr> <tr><td>4</td><td>12</td></tr> <tr><td>8</td><td>16</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>3</td><td>9</td></tr> <tr><td>5</td><td>15</td></tr> <tr><td>7</td><td>21</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>8</td><td>6</td></tr> <tr><td>10</td><td>8</td></tr> <tr><td>12</td><td>10</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>3</td><td>4</td></tr> <tr><td>6</td><td>8</td></tr> <tr><td>12</td><td>16</td></tr> </tbody> </table> <table border="1"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>4</td><td>1</td></tr> <tr><td>12</td><td>3</td></tr> <tr><td>16</td><td>4</td></tr> </tbody> </table> </div>	x	y	10	2	20	4	25	5	x	y	2	8	4	12	8	16	x	y	3	9	5	15	7	21	x	y	8	6	10	8	12	10	x	y	3	4	6	8	12	16	x	y	4	1	12	3	16	4
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7.RP.A.2b	4 cookies per ounce of chocolate chips																																																
7.RP.A.2c	$y = 29x$																																																
7.RP.A.2d	1. c. 3 gallons of gas cost \$9 2. (1, 3)																																																
7.RP.A.3	The total cost of the laptop, including the discount and sales tax, is \$1,101.60.																																																

## Do you have a group of students who need a boost in math?

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- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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