

Each activity is designed to meet the verb of the TEKS providing the student the opportunity to express their knowledge to the level of the TEKS.

A Equations and Inequalities
 Computations and Algebraic Relationships
 Name: _____
 TEKS 6.10A Supporting Standard

Activity 5: 6.10A

Write an equation or inequality and find the solution for the model of each inequality or equation.

Write an equation for each verbal description, table or graph.

MODEL	EQUATION	SOLUTION
1.		
2.		
3.		
4.		
5.		

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A Equations and Inequalities
 Computations and Algebraic Relationships
 Name: _____
 TEKS 6.9A Supporting Standard

Activity 1: 6.9A

Choose the equation or inequality that represents the given problem.

PROBLEM	EQUATION OR INEQUALITY
1. Henry spent \$28 on cupcakes for his friend's birthday. He bought 7 cupcakes to give to his friend. How much did each cupcake cost?	$7c \geq 28$ $7c = 28$ $28 - 7 = c$
2. Sue went shopping for a present for her friend's birthday. The most she wanted to spend was \$28. She found some bracelets that cost \$4 each. How many bracelets can she buy?	$4b = 28$
3. Keshawn's mom said he could spend less than 90 minutes playing video games with his cousins while visiting them this weekend. They have already played 30 minutes. How many minutes do they have left to play?	
4. Keisha gets paid \$8 an hour to babysit her neighbor's son. If she earned \$56, how many hours did she babysit?	
5. Erica drank 24 sodas over 8 days. If she drank the same amount each day, how many sodas did she have each day?	

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A Multiplicative and Additive Relationships
 Computations and Algebraic Relationships
 Name: _____
 TEKS 6.5B Supporting Standard

Activity 5: 6.5B

Write an equation for each table.

1. <table border="1"> <thead> <tr> <th># OF ITEMS SOLD, i</th> <th>\$ EARNED IN FUNDRAISER, m</th> </tr> </thead> <tbody> <tr><td>10</td><td>2</td></tr> <tr><td>11</td><td>3</td></tr> <tr><td>12</td><td>4</td></tr> <tr><td>13</td><td>5</td></tr> </tbody> </table> The table shows the money earned based on the number of items sold in a fundraiser. Write an equation to find the amount of money earned, m , for any number of items, i , sold. Equation: _____	# OF ITEMS SOLD, i	\$ EARNED IN FUNDRAISER, m	10	2	11	3	12	4	13	5	2. <table border="1"> <thead> <tr> <th># OF CLASSES, c</th> <th># OF STUDENTS, s</th> </tr> </thead> <tbody> <tr><td>10</td><td>2</td></tr> <tr><td>11</td><td>3</td></tr> <tr><td>12</td><td>4</td></tr> <tr><td>13</td><td>5</td></tr> </tbody> </table> The table shows the number of students based on the number of classes. Write an equation to find the number of students, s , for any number of classes, c . Equation: _____	# OF CLASSES, c	# OF STUDENTS, s	10	2	11	3	12	4	13	5
# OF ITEMS SOLD, i	\$ EARNED IN FUNDRAISER, m																				
10	2																				
11	3																				
12	4																				
13	5																				
# OF CLASSES, c	# OF STUDENTS, s																				
10	2																				
11	3																				
12	4																				
13	5																				
3. <table border="1"> <thead> <tr> <th># OF MONTHS, m</th> <th># OF MILES DRIVEN, d</th> </tr> </thead> <tbody> <tr><td>2</td><td>2,000</td></tr> <tr><td>4</td><td>4,000</td></tr> <tr><td>6</td><td>12,000</td></tr> <tr><td>8</td><td>16,000</td></tr> </tbody> </table> The table shows the number of miles driven the number of months. Write an equation to find the number of miles driven, d , for any number of months, m . Equation: _____	# OF MONTHS, m	# OF MILES DRIVEN, d	2	2,000	4	4,000	6	12,000	8	16,000											
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A Multiplicative and Additive Relationships
 Computations and Algebraic Relationships
 Name: _____
 TEKS 6.5A Supporting Standard

Activity 3: 6.5A

Pick five colors. Shade the problem one color and share the matching table or proportion the same color.

A

For every 3 cats in the animal shelter, there are 5 dogs. There are 25 dogs in the animal shelter. Which proportion or table can be used to find the number of cats?

$\frac{1}{3} = \frac{3}{7}$

B

$\frac{1}{3} = \frac{3}{7}$

C

Manuela makes lemonade using 1 cup of sugar. Which proportion or table can be used to find the number of lemons for 3 cups of sugar?

CUPS OF WATER	LEMONS
3	2
4	3
6	8

D

$\frac{1}{3} = \frac{C}{18}$

E

$\frac{1}{3} = \frac{C}{18}$

F

Jerry is making lemonade using a recipe that calls for 2 lemons for 1 cup of water. Which proportion or table represents this relationship?

CUPS OF WATER	LEMONS
3	4
4	6
6	8

G

Shawn owns a pet-grooming business. She grooms 2 cats for every 4 dogs. Which proportion or table represents this relationship?

CATS	DOGS
2	4
4	8
8	16

H

CUPS OF WATER	LEMONS
3	2
4	3
6	8

I

$\frac{3}{5} = \frac{C}{25}$

J

Kwan is making lemonade using a recipe that uses 3 lemons for each cup of water. Which proportion or table can be used to find the number of cups of water for 18 lemons?

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