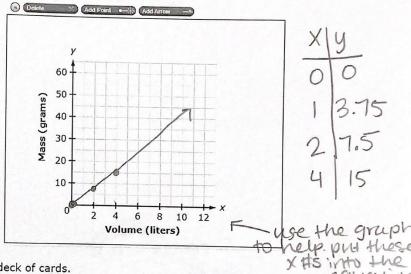


GUEST, GUEST

Krypton is a chemical substance. Krypton has a constant of proportionality between its mass and volume. The constant of proportionality is 3.75 grams/liter.

Use the Add Arrow tool to graph krypton's proportional relationship.

construnt



Melanie has a spinner and a deck of cards.

- The probability of spinning an even number on the spinner is  $\frac{2}{5}$ . 0.4 40%
- The probability of drawing an even number from the deck of cards is  $\frac{5}{13}$ . 38.5%

Complete the statement to compare the probabilities.

\$

s. Change fractions to alcimals or percents

P(drawing an even number card) because

To make it easier to compare

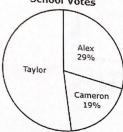
2 < 5 5 < 13  $\frac{2}{5} > \frac{5}{13}$  $\frac{2}{5} < \frac{5}{13}$ 

 $\frac{2}{5} = \frac{5}{13}$ 

P(spinning an even number) is Equal to Less than Greater than

A school holds an election for class president. The percentage of votes received by Taylor, Alex, and Cameron are





What percentage of the votes did Taylor receive?

A 48%



- © 71%
- @ 81%

Match the equivalent expressions.

	3m + 4	5m + 4
2(m+3)+m-2		0/
5(m+1)-1		
m + m + m + 1 + 3	N	П

An inequality is shown.

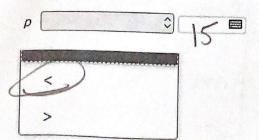
$$-4p > -60$$

-4p7-60 --4

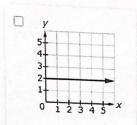
-4p>-60

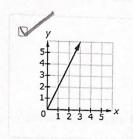
XIF YOU OV - WY A NEG.

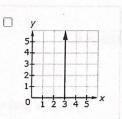
Select the inequality symbol and enter a value to represent the solution to the inequality.



goes thru origin (0,0) Select all the representations that show a proportional relationship between x and y.







* Check o	x	y		
*Check of there is a	0	0		
is a	2	4	2	
constunt	4	16	4 00	
COLPUM	6	36	6	

x	y
0	0
2	8
4	16
6	24

GUEST, GUEST

This question has **two** parts.

Very word that

Omar uses a laser printer that prints 30 pages per minute. On Monday, he prints 8 pages. On Tuesday, he prints

more pages. Omar prints a total of 143 pages on Monday and Tuesday. Let m be the amount of time, in minutes, he spends printing on Tuesday.

Create an equation using m to model the amount of time Omar spends printing on Tuesday.

30m+8=143

How many minutes does it take Omar to print the pages on Tuesday?

Bill makes an error when evaluating the expression shown.

$$\left(\frac{\left(2\right)^{3}\cdot\left(2\right)^{5}}{2^{4}}\right)^{5}$$

$$\left(\frac{2^8}{2^4}\right)^3$$

- add exp

## Part A

Click on the step in the first column of the table where Bill's error first appears.

	Given	$\left(\frac{(2)^3 \cdot (2)^5}{2^4}\right)^3$	add exp.
	Step 1	$\left(\frac{2^8}{2^4}\right)^3$	(24)3
1	Step 2	(2 <sup>2</sup> ) <sup>3</sup>	(2") He divided exponents
	Step 3	2 <sup>6</sup>	212
	Step 4	64	4

## Part B

What is the correct value of the expression  $\left(\frac{(2)^3 \cdot (2)^5}{2^4}\right)^3$ ?

4096

U<sub>•</sub> A spinner is divided into 4 equally sized sections. The sections are blue, green, red, and yellow. The results of 1000 spins are shown in the table. Fotal

## Results

Color	Frequency
Blue	470
Green	254
Red	144
Yellow	132

theo: 1 green on spinner = 25% exp: 254 = 25.4%

Jeffrey claims that of the four colors, the experimental probability of spinning green is closest to its theoretical probability.

Complete the statement to evaluate Jeffrey's claim, then enter the theoretical probability of spinning

Is or is not Based on the results, Jeffrey's claim is the spinner arrow stopping on green True or false theoretical probability.

because the experimental probability of the closest of the four colors to the

The theoretical probability of spinning green is 25%