

Name: _____

Making Divided Percent Bar Graphs

Percent bar graphs show what percent of the whole each value, value range, or category of data represents. They pair with relative frequency tables.

Step 1.

Find the percent relative frequencies. If they are listed as decimals, multiply by 100 to convert to percent. If they are not listed at all, divide each frequency by the total data set size, then multiply by 100.

Movie for Fun Friday?		
Vote	Frequency	Relative Frequency
yes	30	$30 \div 50 = 0.60$ $0.60 \times 100 = 60\%$
no	20	$20 \div 50 = 0.40$ $0.40 \times 100 = 40\%$

Movie for Fun Friday?



Step 2.

Set up a bar graph using percent relative

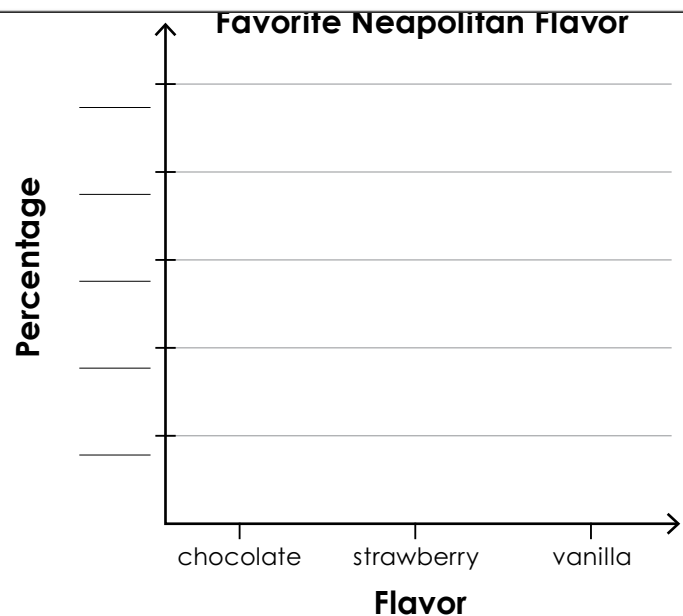


Preview

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1.

Favorite Neapolitan Flavor		
Flavor	Frequency	Relative Frequency
chocolate	7	35%
strawberry	4	20%
vanilla	9	45%

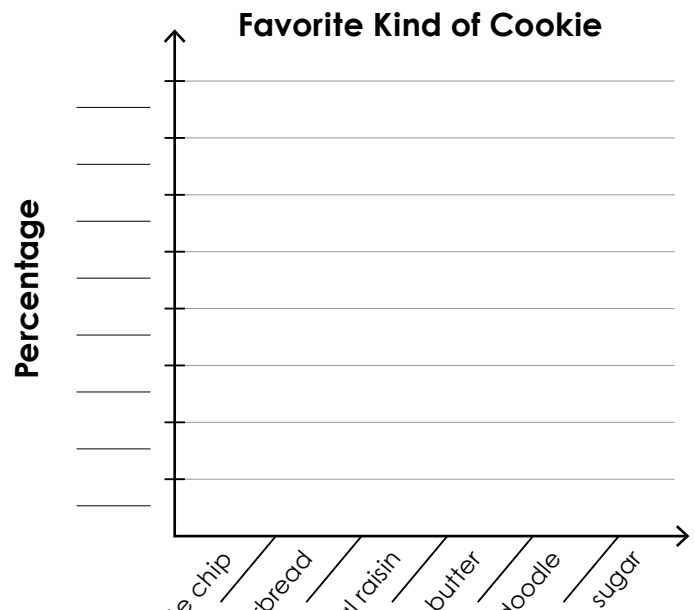


Name: _____

Relative Frequency Table

2.

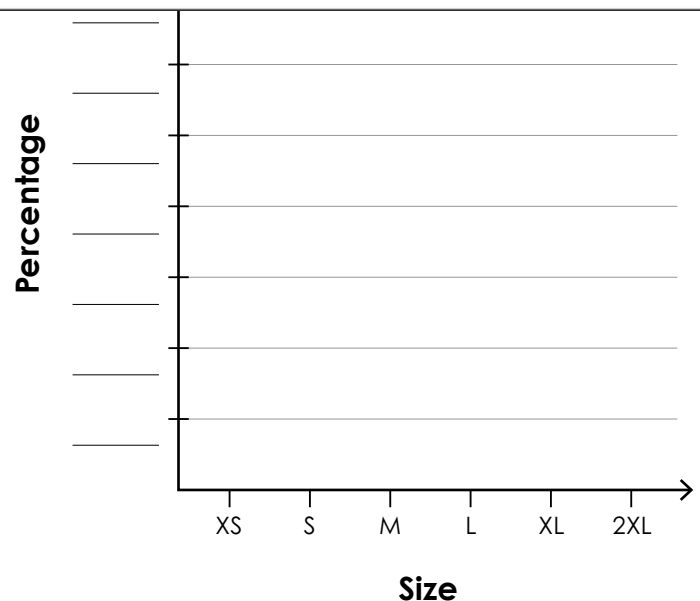
Favorite Kind of Cookie		
Cookie	Frequency	Relative Frequency
chocolate chip	8	0.40
gingerbread	2	0.10
oatmeal raisin	1	0.05
peanut butter	3	0.15
snickerdoodle	4	0.20



Preview

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Size	Frequency	Relative Frequency
XS	15	
S	54	
M	99	
L	84	
XL	30	
2XL	18	



ANSWER KEY

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Step 1.

Find the percent relative frequencies. If they are listed as decimals, multiply by 100 to convert to percent. If they are not listed at all, divide each frequency by the total data set

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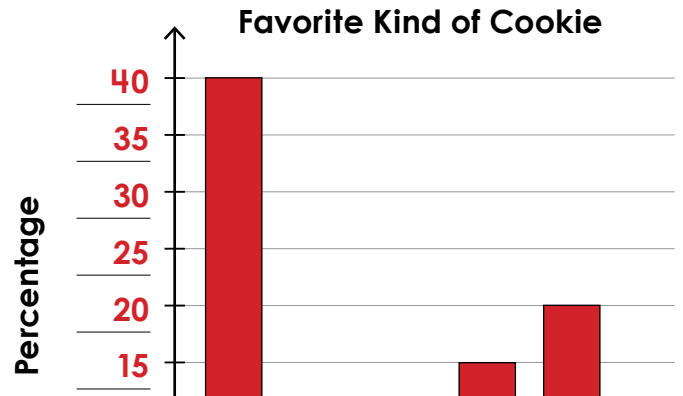
Flavor

ANSWER KEY

Relative Frequency Table

2.

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Size