

TOPIC: PIE CHARTS

Creating Pie Charts

◆ **Pie Charts** show the _____ of responses in each category. Larger *percentages* = larger *wedges* of the pie.

► To find the category percentage, calculate the _____ of the category.

EXAMPLE

The data table below shows the number of students with each hair color in Classroom A. Use the data to create a pie chart and answer the questions below.

New

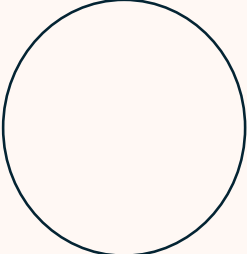
Pie Charts

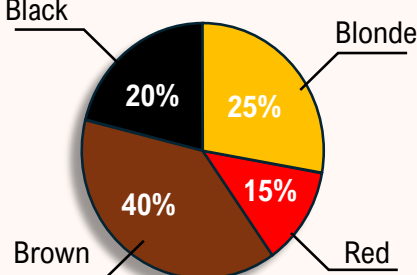
Hair Colors	Black	Red	Brown	Blonde
Frequency	6	4	5	5
Rel. Freq. (%)			25%	25%

Recall
 $\left(\frac{f}{n} \times 100\%\right)$

(A) What is the difference in the percentage of students with red hair in Class A vs Class B?

(B) If Class B has 20 students, how many have brown hair?

Classroom A


Classroom B


PRACTICE

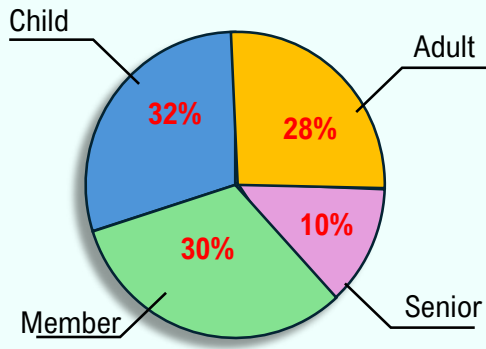
A student wants to use the table to create a pie chart demonstrating the cake preferences of their classmates. Find the percent of students who prefer vanilla cake.

Cake Flavor	Vanilla	Chocolate	Marble	Other
Frequencies	32	55	34	49

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EXAMPLE

The pie chart below gives the percentage of tickets sold in each category for museum entry. Use the pie chart to answer the questions below.



(A) What is the most popular ticket type sold by the museum?

(B) If 3 tickets were sold to seniors, how many total tickets were sold?