

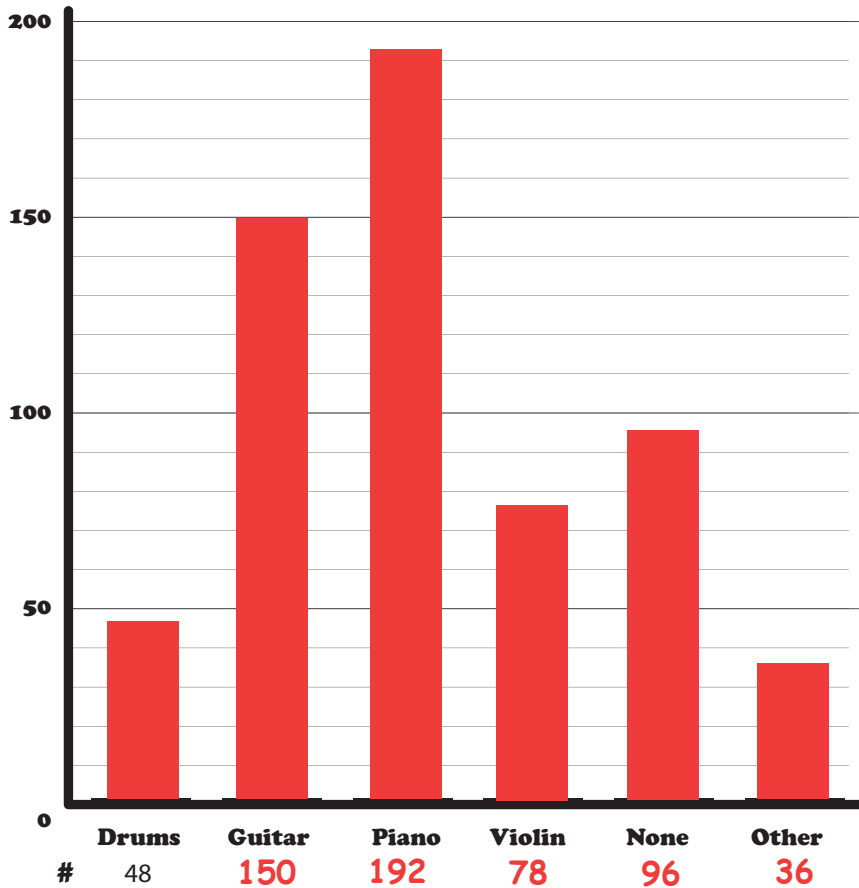
Instrument Interviews

4TH GRADE

STATISTICS

Answer Sheet

Isabela interviewed 600 students at her elementary school and asked them what musical instrument they play. The results of her interviews are displayed on the pie graph below. Convert the percentages to whole numbers and fill out the bar graph.



Convert the data:

1. Convert each percentage to a decimal value by moving the decimal 2 places to the left.
Example: Drums = 8% → .08

2. Multiply the number of students interviewed by the decimal value of each percentage.

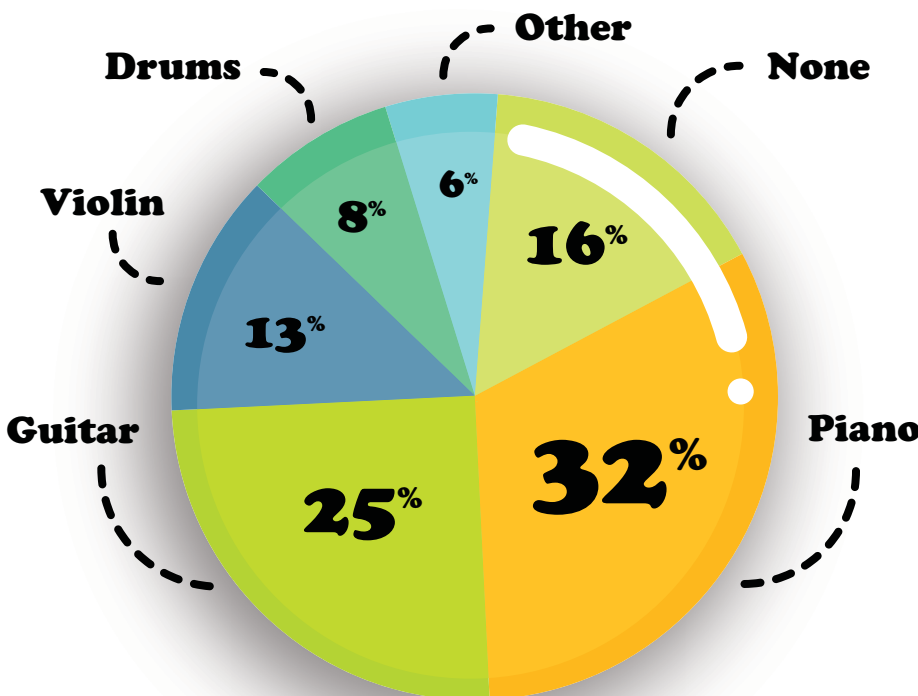
Example:

Drums =

$$\begin{array}{r}
 600 \rightarrow \text{Factor 1: 0 decimal places} \\
 \times .08 \rightarrow \text{Factor 2: 2 decimal places} \\
 \hline
 48.00 \rightarrow 48 \text{ drummers} \\
 \hline
 \end{array}$$

2 decimal moves

Don't forget to move the product's decimal point two places to the left.



$$\begin{array}{r}
 \text{Violin} = \\
 600 \\
 \times .13 \\
 \hline
 1800 \\
 + 6000 \\
 \hline
 78.00
 \end{array}$$

$$\begin{array}{r}
 \text{Guitar} = \\
 600 \\
 \times .25 \\
 \hline
 3000 \\
 + 12000 \\
 \hline
 150.00
 \end{array}$$

$$\begin{array}{r}
 \text{Piano} = \\
 600 \\
 \times .32 \\
 \hline
 1200 \\
 + 18000 \\
 \hline
 192.00
 \end{array}$$

$$\begin{array}{r}
 \text{None} = \\
 600 \\
 \times .16 \\
 \hline
 3600 \\
 + 6000 \\
 \hline
 96.00
 \end{array}$$

$$\begin{array}{r}
 \text{Other} = \\
 600 \\
 \times .06 \\
 \hline
 36.00
 \end{array}$$