

# Converting Raw Data to Percents (%)

$$\frac{\text{raw data}}{\text{total number}} = \text{deci} \rightarrow \underset{\downarrow}{\text{deci}} = \underset{1,2}{\text{de.c}}\% \quad \text{Convert to \%}$$

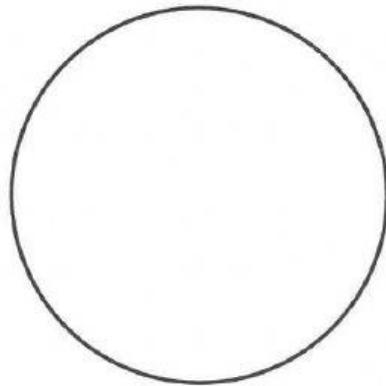
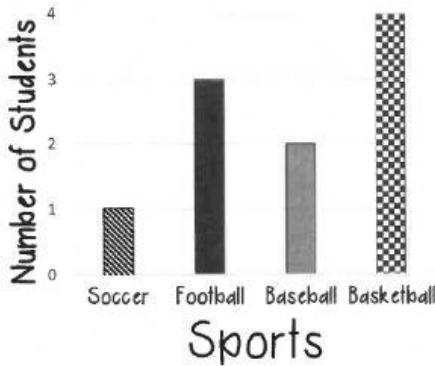
- ① Raw data from table or graph
- ② Divided by total number of data points
- ③ Decimal answer  $\Rightarrow$  Convert to percent

Open bottom page

Name \_\_\_\_\_ Date \_\_\_\_\_

Students were polled regarding their favorite sport. The results are shown in the bar graph. Create a circle graph from the data in the bar graph.

**Favorite Sport**

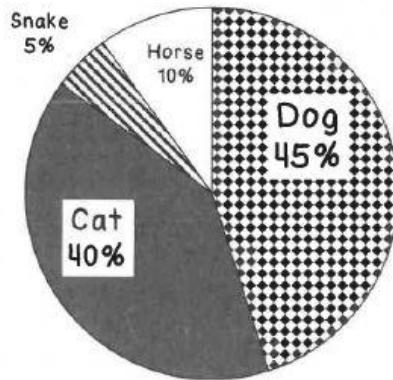


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Name \_\_\_\_\_ Date \_\_\_\_\_

Twenty students were asked the question, "What is your favorite pet?" The results from the poll are shown on the circle graph. Fill in the number of students who voted for each animal to match the circle graph.

### Favorite Pets



| Type of animal | Number of Students |
|----------------|--------------------|
| Dog            |                    |
| Cat            |                    |
| Horse          |                    |
| Snake          |                    |

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### Converting Percents (%) to raw Data

$$\% \text{ of total} = \text{raw data}$$

↓      ↓

$$\text{dec} \downarrow \text{dec} \times \text{total number} = \text{raw data}$$

↓      ↓

- ① Convert Percent to a decimal
- ② multiply by total number of data points

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