

GRAPHS

What Are Graphs?

- A way to show information in the form of shapes or pictures.
- Graphs show the relationship between two sets of information.
- There are many different types of graphs. A few of them include bar graphs, line graphs, pictographs, and circle graphs.

How to read and interpret graphs:

The bars on a **bar graph** can be horizontal or vertical.

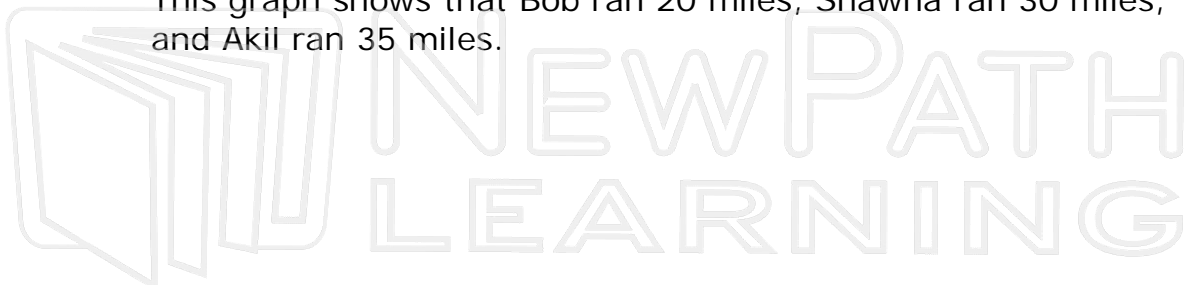
- A bar graph uses rectangular bars to show each value.



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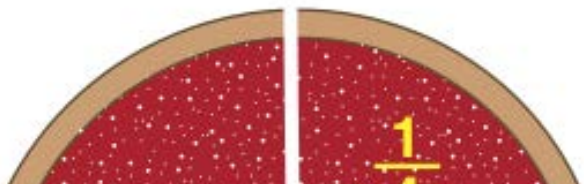
This graph shows that Bob ran 20 miles, Shawna ran 30 miles, and Akil ran 35 miles.



A **circle graph, or pie chart**, shows information in parts of a whole.

- The parts are broken into fractions to show comparisons.

For example:



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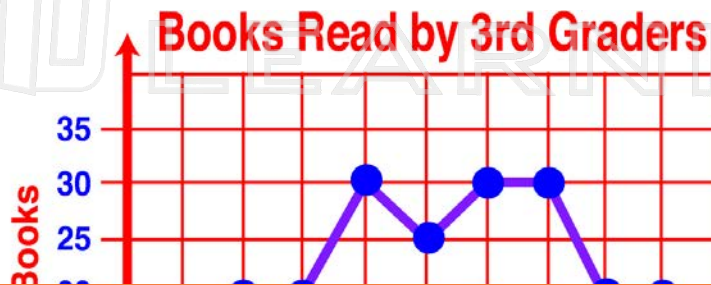
This graph shows that $\frac{1}{2}$ of third graders like cheese pizza, $\frac{1}{4}$ of third graders like pepperoni pizza, $\frac{1}{8}$ of third graders like mushroom pizza, and $\frac{1}{8}$ of third graders like pizza with other toppings.



A **line graph** shows changes over time.

- A line graph has points that are connected in the order they happened.

For example:



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r,
30

Try This!

- Answer the following questions based on the graph below.



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How

How many attended the Fair on **Sunday**?

How many more attended the Fair on **Saturday** than on **Thursday**?
