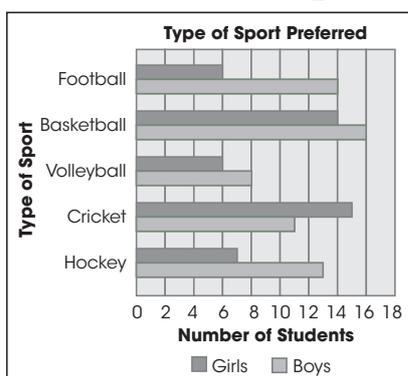


Learn About

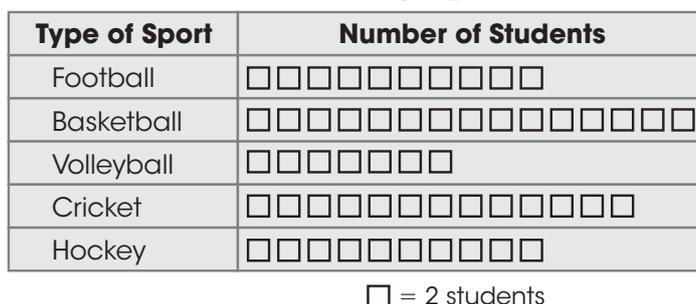
Interpreting Graphs and Charts: Bar Graphs, Pictographs and Charts

Graphs and charts are used to show information about a subject. A **bar graph** uses numbers and bars to show how many. **Pictographs** use pictures or symbols to show how many. A **chart** uses numbers to show how many.

Bar Graph



Pictograph



Look at the graphs shown above. How many students chose each sport? Copy and complete the chart shown here.

Type of Sport Preferred	
Sport	Number of Students
Football	
Basketball	
Volleyball	
Cricket	
Hockey	

The graphs display the following student totals for each sport:
 Football: **20**; Basketball: **30**; Volleyball: **14**; Cricket: **26**; Hockey: **20**.



Bar graphs use numbers and bars to show how many.
Pictographs use pictures or symbols to show how many.
Charts use numbers to show how many.

*Look at the answer choices for each question.
Read why each answer choice is correct or
not correct.*

1. How many more food items were donated than furniture items during this week?

● 40 items

This is correct. The bar for the number of food items aligns with 50 and the bar for the number of furniture items aligns with 10.
 $50 - 10 = 40$.

Ⓑ 30 items

This is not correct. The bar for the number of food items aligns with 50 and the bar for the number of furniture items aligns with 10.
 $50 - 10 = 40$, not 30.

Ⓒ 20 items

This is not correct. The bar for the number of food items aligns with 50 and the bar for the number of furniture items aligns with 10.
 $50 - 10 = 40$, not 20.

Ⓓ 10 items

This is not correct. The bar for the number of food items aligns with 50 and the bar for the number of furniture items aligns with 10.
 $50 - 10 = 40$, not 10.

2. What percentage of the clothing items were shoes?

Ⓐ 20%

This is not correct. The total percentage of all types of clothing other than shoes is 90%.
 $100\% - 90\% = 10\%$, not 20%.

Ⓑ 15%

This is not correct. The total percentage of all types of clothing other than shoes is 90%.
 $100\% - 90\% = 10\%$, not 15%.

● 10%

This is correct. The total percentage of all types of clothing other than shoes is 90%.
 $100\% - 90\% = 10\%$.

Ⓓ 5%

This is not correct. The total percentage of all types of clothing other than shoes is 90%.
 $100\% - 90\% = 10\%$, not 5%.

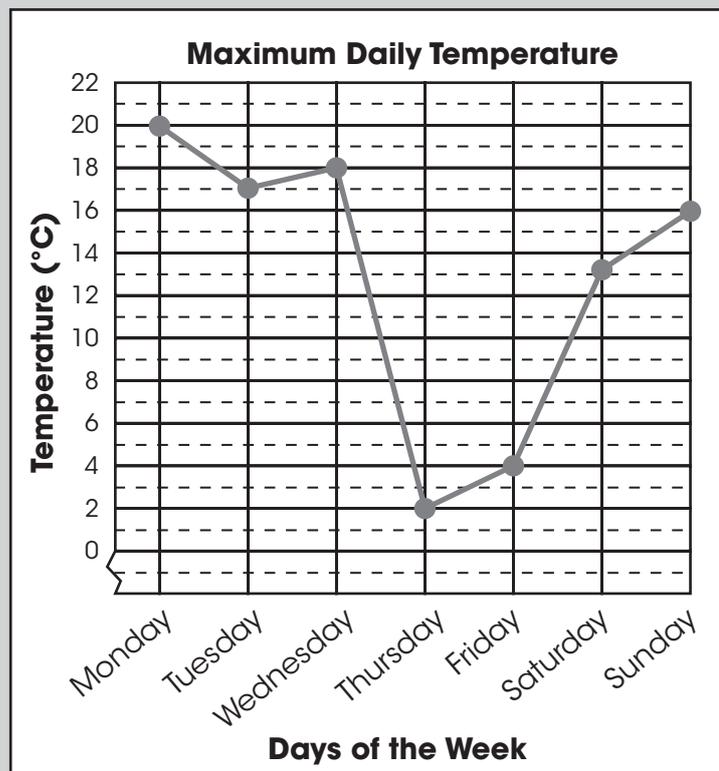
Lesson

4

Read the passage.
Then do Numbers 1–5.

Tracking the Temperature

Jody's science class was studying weather. The teacher asked Jody to keep track of the maximum temperatures in their town for one week. Jody made a line graph to show the data.



1. What was the maximum temperature on Tuesday?

- Ⓐ 15°C
- Ⓑ 16°C
- Ⓒ 17°C
- Ⓓ 18°C

2. On which day did the maximum temperature increase 3°C from the previous day?

- Ⓐ Tuesday
- Ⓑ Wednesday
- Ⓒ Friday
- Ⓓ Sunday

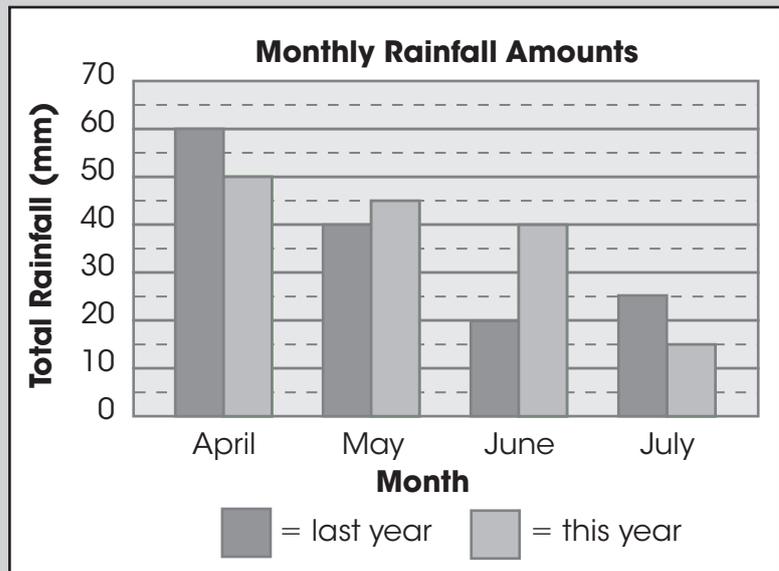
Lesson 16

Read the passage.
Then do Numbers 1–5.

Let It Rain

Winona works for the local weather station. She keeps track of the monthly rainfall in her area. Winona's job is important because many farmers live in the region. If there is not enough rainfall, the farmers have to get water from other sources.

Winona's boss asked her to compare the amount of rainfall during the last four months and the amount of rainfall during the same four months one year ago. Winona made a double bar graph to show the data.



1. Which month showed the greatest change in the amount of rainfall between this year and last year?

- Ⓐ April
- Ⓑ May
- Ⓒ June
- Ⓓ July

2. How much rain fell in April of this year?

- Ⓐ 60 millimetres
- Ⓑ 55 millimetres
- Ⓒ 50 millimetres
- Ⓓ 45 millimetres

Self-Assessment 2

Lessons 6–10

Answer these questions after you have completed Lessons 6–10. Before you begin, re-read what you wrote in Self-Assessment 1.

FOCUS on Interpreting Graphs and Charts, Book E

Name _____ Date _____

1. Rate your work in Lessons 6–10. Circle your answer.

successful

somewhat successful

needs improvement

2. Did any of the questions give you trouble? _____

If so, what kind of trouble did you have?

Is this the same kind of trouble you had in Lessons 1–5? _____

3. Did you find the questions easier or more difficult than those in Lessons 1–5?

Why do you think this is so?

4. Did you meet the goal you set for yourself for Lessons 6–10? _____

Why or why not?

5. What is your goal for Lessons 11–15?

Cut along the dotted line.