

1. Chelsea records the number of seeds in each of her apples. She uses one X to represent each apple.

					X	X				
				X	X	X				
				X	X	X				
		X	X	X	X	X	X		X	
	X	X	X	X	X	X	X	X	X	X
Seeds	6	7	8	9	10	11	12	13	14	15

Which statement about Chelsea's data is true?

- A The range of number of seeds is 9.
- B Most apples have more than 10 seeds.
- C The median number of seeds is 10.
- D Most apples have fewer than 10 seeds.

2. Janice scored points in the first five basketball games she played.

Game 1: 23 points

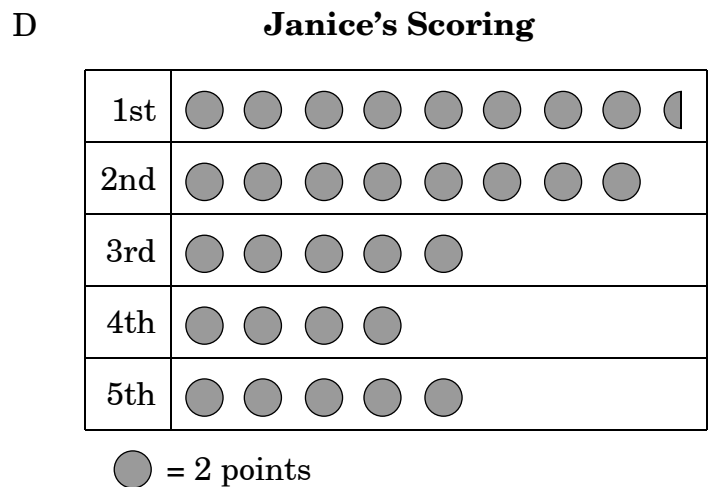
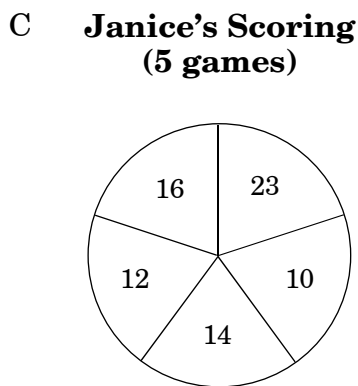
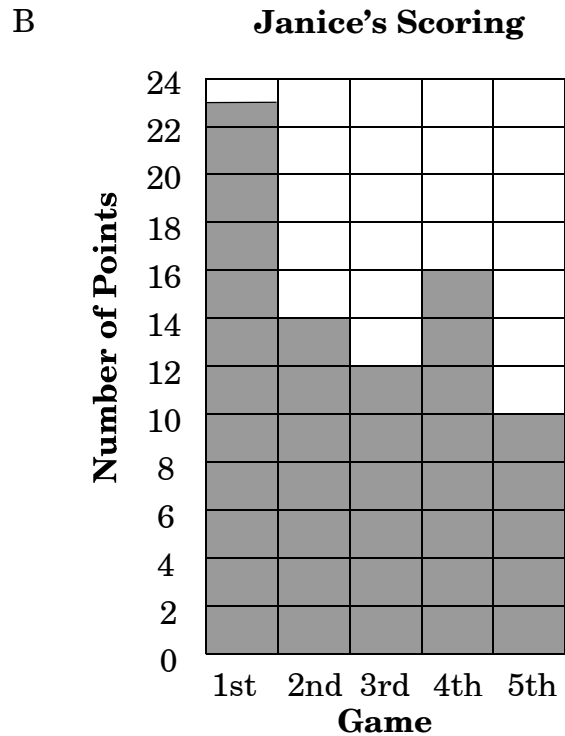
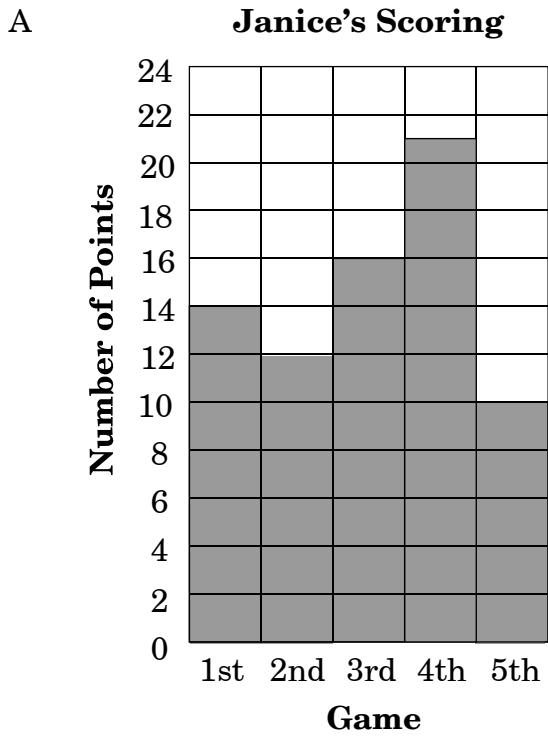
Game 2: 14 points

Game 3: 12 points

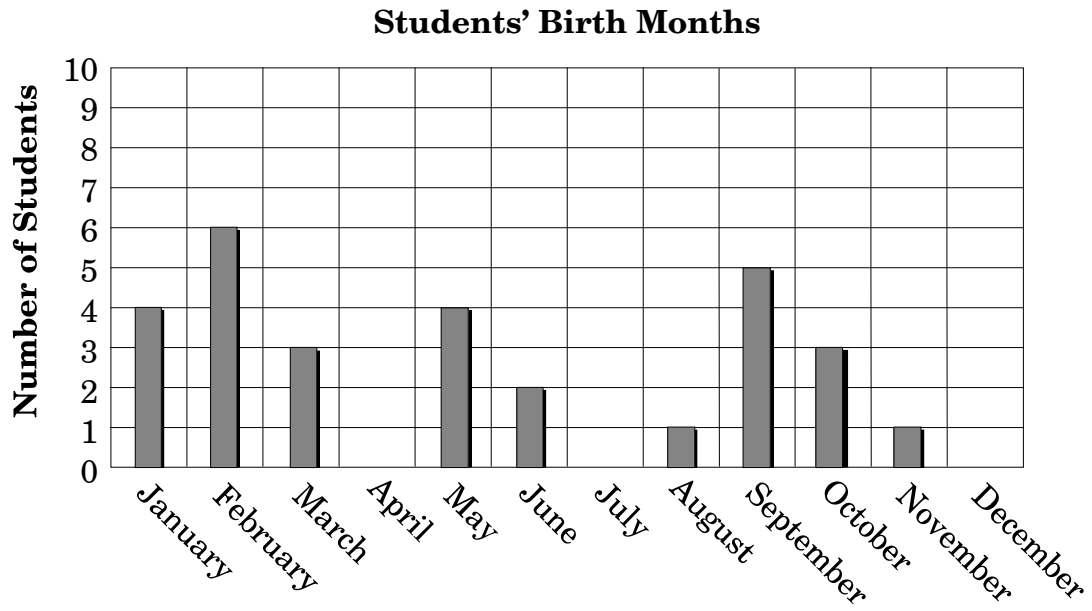
Game 4: 16 points

Game 5: 10 points

Which is a correct way to graph this information?

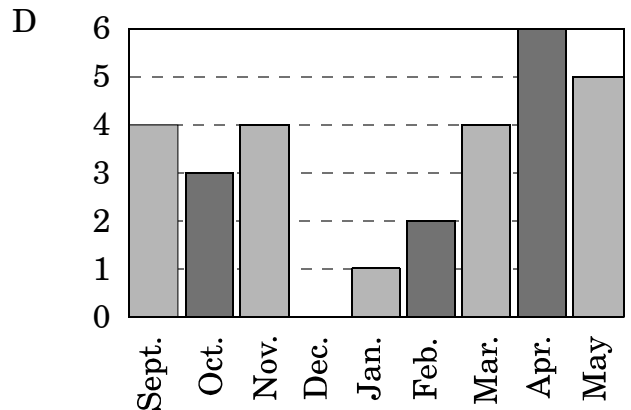
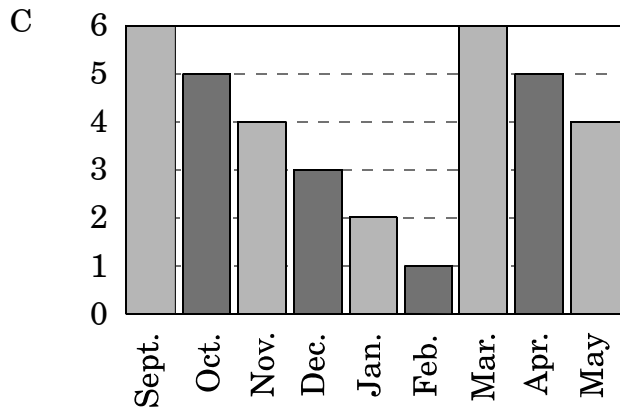
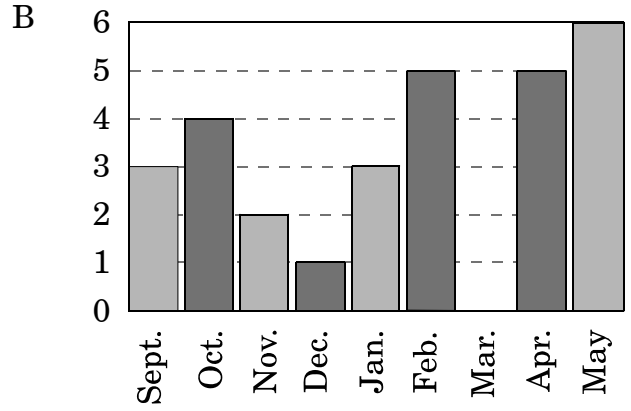
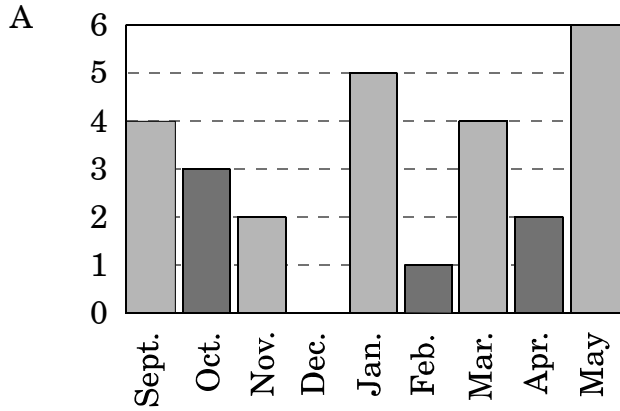


3. How many students are in the class?



- A 28
- B 29
- C 30
- D 31

4. Miss Smith’s class decided to graph how often the school served pizza for lunch during the school year. The graph showed more times in May than any other month. It showed none at all in December. It also showed the school served pizza the same number of times in September and March. Which graph shows all of these facts?



5. Alex was taking a survey of which foods people like to eat with cheeseburgers. He found that more people liked french fries with cheeseburgers than any other food. Which term should be used to describe this information?
- A average
 - B median
 - C mode
 - D range
-

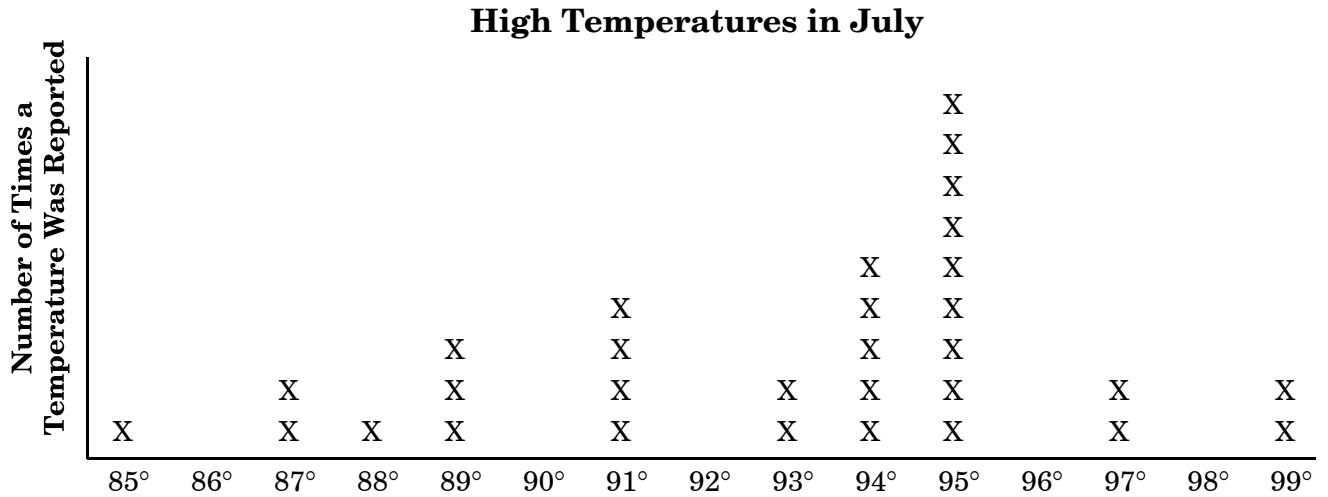
6. What is the median score on this math test?

Math Test

Name	Alfonso	Beth	Karla	Rory	Yin
Score	95	78	80	83	95

- A 80
- B 83
- C 85
- D 95

7. The weather forecaster at the TV station made a graph of the high temperatures for each day in the month of July.



What is the mode for these data?

- A 90°
- B 94°
- C 95°
- D 99°

8. Max is selling candy bars. He has chocolate bars, nut bars, and mint bars. If a customer buys two bars, and the bars are not of the same type, how many different combinations are possible?
- A 3
B 6
C 9
D 12
9. The cafeteria is serving french toast, cereal, and fruit. If a student may choose any two of those items plus either grape juice or orange juice, how many different breakfast combinations are possible?
- A 2
B 4
C 6
D 12
10. Marcie marked the faces of a fair cube with numbers for a probability experiment. If the probability of getting a multiple of 3 is $\frac{3}{6}$, how could she have marked the faces of her cube?
- A 3, 6, 9, 12, 15, 18
B 2, 4, 6, 8, 10, 12
C 3, 5, 9, 11, 15, 17
D 5, 7, 9, 11, 13, 15

11. The nurse recorded data on the number of people who donated blood in the last 10 community blood drives. The data is shown below.

60, 64, 52, 62, 58, 57, 64, 64, 68, 52

What is the median number of donors the community has for blood drives?

- A 10
- B 16
- C 61
- D 64

12. Derrick observed the water temperature in his fish tank for a science project. On the first day it was 76°F , the second day it was 72°F , the third day it was 78°F , and on the fourth and fifth days it was 74°F . What was the range of the temperature readings?

- A 74.8°F
- B 74°F
- C 8°F
- D 6°F

End of Goal 4 Sample Items

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Answers to EOG Grade 4 Math Sample Items

Goal 4

- Objective 4.01**
Collect, organize, analyze, and display data (including line graphs and bar graphs) to solve problems.
Thinking Skill: Integrating **Correct Answer:** C
- Objective 4.01**
Collect, organize, analyze, and display data (including line graphs and bar graphs) to solve problems.
Thinking Skill: Analyzing **Correct Answer:** B
- Objective 4.01**
Collect, organize, analyze, and display data (including line graphs and bar graphs) to solve problems.
Thinking Skill: Applying **Correct Answer:** B
- Objective 4.01**
Collect, organize, analyze, and display data (including line graphs and bar graphs) to solve problems.
Thinking Skill: Analyzing **Correct Answer:** A
- Objective 4.02**
Describe the distribution of data using median, range and mode.
Thinking Skill: Organizing **Correct Answer:** C
- Objective 4.02**
Describe the distribution of data using median, range and mode.
Thinking Skill: Applying **Correct Answer:** B
- Objective 4.02**
Describe the distribution of data using median, range and mode.
Thinking Skill: Organizing **Correct Answer:** C
- Objective 4.04**
Design experiments and list all possible outcomes and probabilities for an event.
Thinking Skill: Analyzing **Correct Answer:** A
- Objective 4.04**
Design experiments and list all possible outcomes and probabilities for an event.
Thinking Skill: Analyzing **Correct Answer:** C

10. Objective 4.04

Design experiments and list all possible outcomes and probabilities for an event.

Thinking Skill: Analyzing

Correct Answer: C

11. Objective 4.02

Describe the distribution of data using median, range and mode.

Thinking Skill: Applying

Correct Answer: C

12. Objective 4.02

Describe the distribution of data using median, range and mode.

Thinking Skill: Applying

Correct Answer: D