

TEST NAME: Graphing and Data Practice Word Problems
TEST ID: 2549283
GRADE: 03 - Third Grade
SUBJECT: Mathematics
TEST CATEGORY: My Classroom

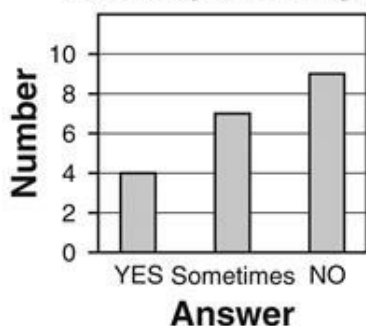
Student: _____
Class: _____
Date: _____

1. Kyle asked 20 people if they watch television on Saturday morning. He used this table to record their answers.

Saturday Morning TV	
Answer	Number
YES	
Sometimes	
NO	

Which graph BEST represents the information in the table?

A. **Saturday Morning TV**



B. **Saturday Morning TV**



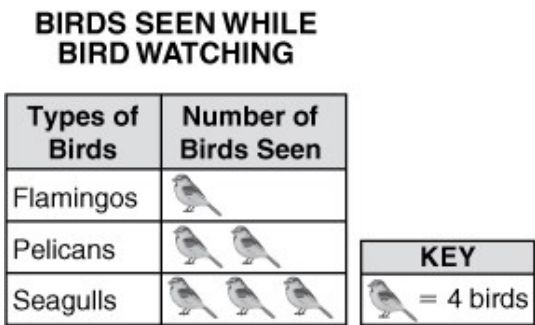
C. **Saturday Morning TV**



D.



2. Rita went bird watching. The picture graph below shows the number and types of birds she saw.



Which data set was used to make this graph?

A.

BIRDS SEEN WHILE BIRD WATCHING

Types of Birds	Number of Birds Seen
Flamingos	1
Pelicans	2
Seagulls	3

B.

BIRDS SEEN WHILE BIRD WATCHING

Types of Birds	Number of Birds Seen
Flamingos	4
Pelicans	8
Seagulls	12

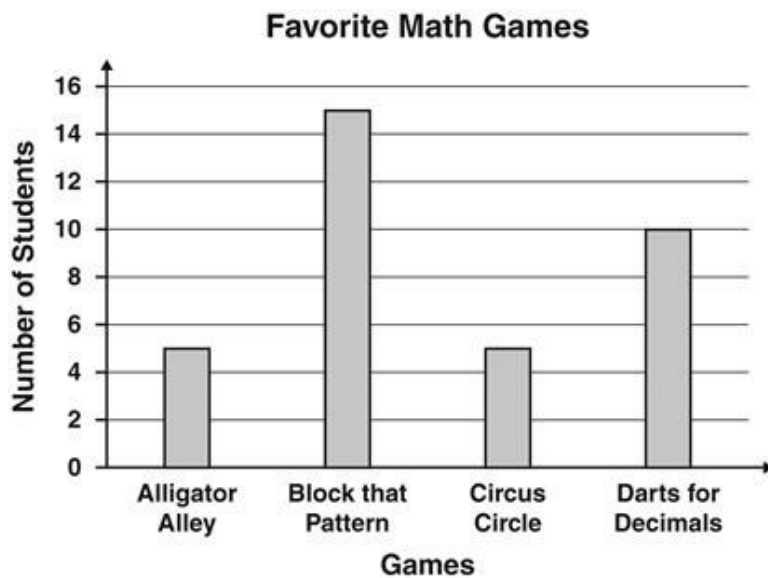
C. **BIRDS SEEN WHILE
BIRD WATCHING**

Types of Birds	Number of Birds Seen
Flamingos	3
Pelicans	1
Seagulls	2

D. **BIRDS SEEN WHILE
BIRD WATCHING**

Types of Birds	Number of Birds Seen
Flamingos	12
Pelicans	4
Seagulls	8

3. Keely asked the students in her math group which game they like the best. The results are shown below.



How many more students like Darts for Decimals than Alligator Alley?

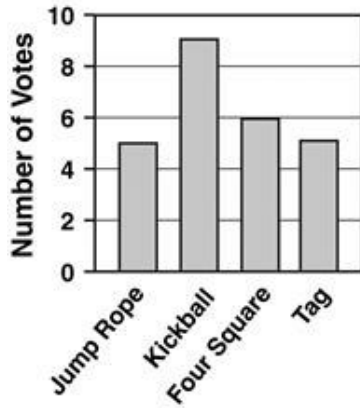
- A. 0
 B. 5
 C. 10
 D. 15
4. Mr. Papish had students vote for their favorite playground game. The chart shows the results.

Favorite Playground Games

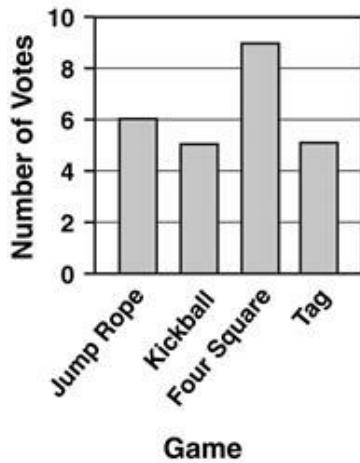
Jump Rope	
Kickball	I
Four Square	
Tag	

Which graph matches the results on the chart?

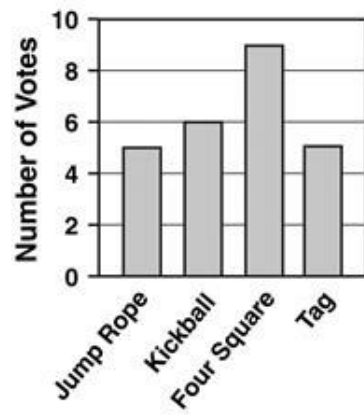
A. **Favorite Playground Games**



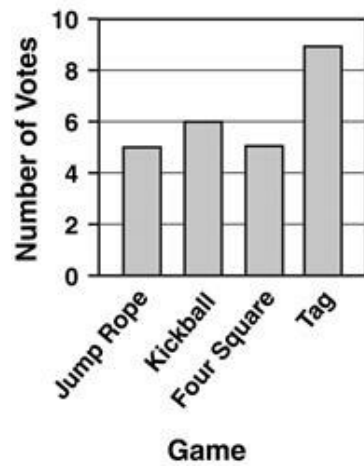
B. **Favorite Playground Games**



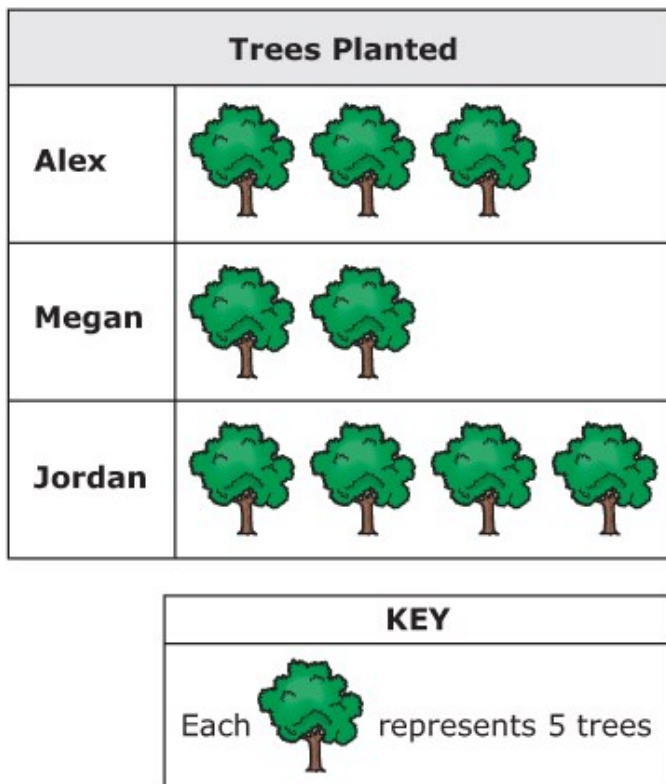
C. **Favorite Playground Games**



D. **Favorite Playground Games**



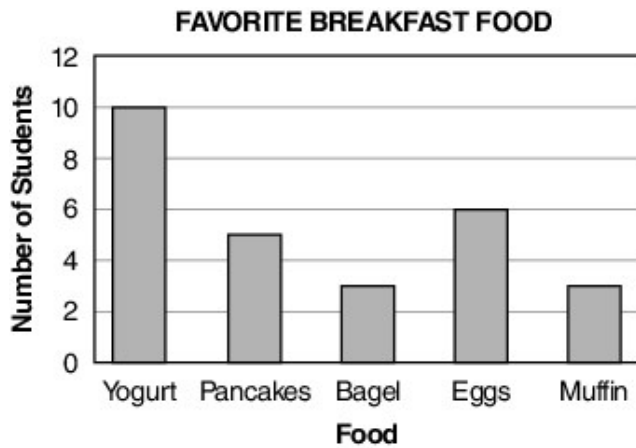
5. Alex, Megan, and Jordan planted trees in their neighborhood. The picture graph shows the number of trees each child planted.



How many more trees did Jordan plant than Alex?

- A. 1
- B. 5
- C. 10
- D. 20

6. Some third grade students were asked to choose their favorite food for breakfast. The bar graph below shows their answers.










How many more students chose yogurt than chose eggs as their favorite food?

- A. 2
- B. 4
- C. 6
- D. 10








7. Eduardo made a pictograph to show his classmates' favorite snacks.

Classmates' Favorite Snacks













Snacks	Number
Fruit	 
Granola bars	
Carrots and dip	  
Popcorn	

Key: Each  = 4 students

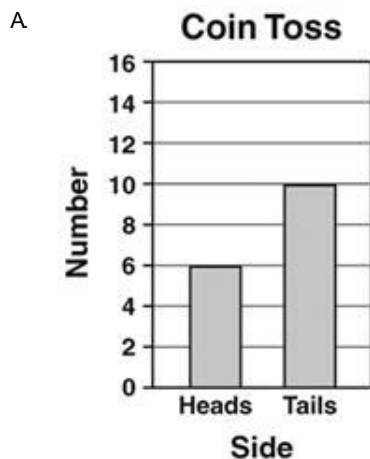
If 10 students like popcorn, what should the symbol(s) look like?

- A. 
- B. 
- C.  
- D.   

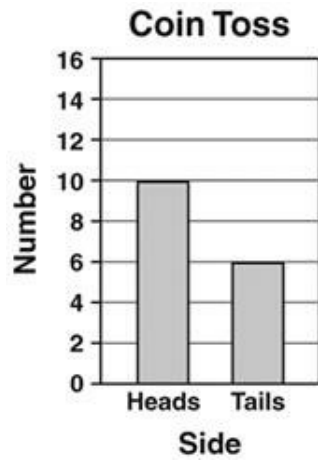
8. Jim flips a fair coin 16 times and records the results in the tally chart.

Coin Toss	
Heads	     
Tails	     

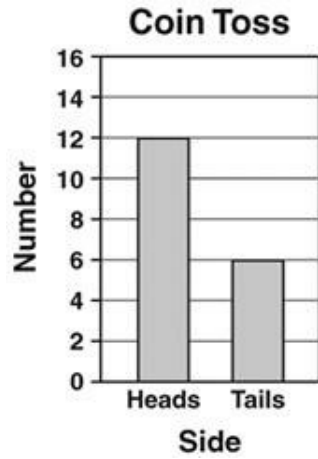
Which graph BEST represents the results from the tally chart?



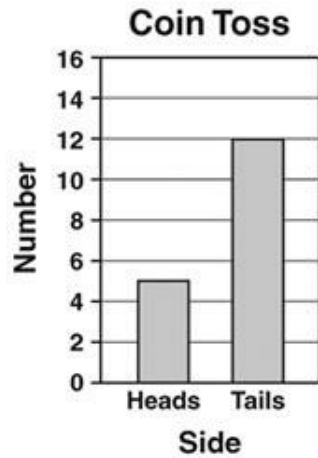
B.



C.



D.



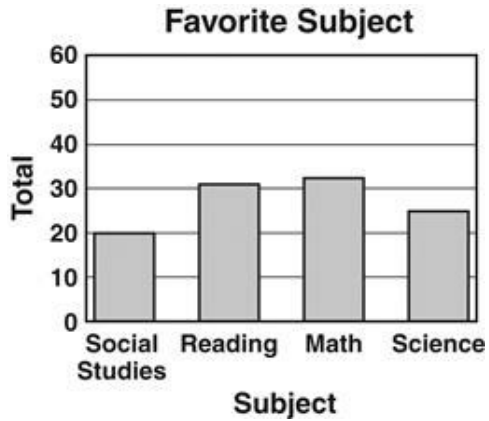
9. A group of students took a survey asking their favorite subject in school. The results are shown in the table below.

Favorite Subject

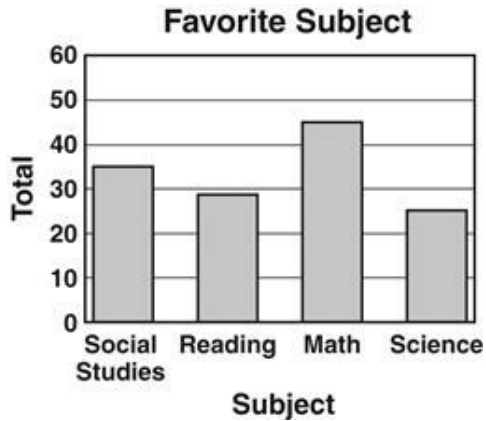
Subject	Total
Social Studies	20
Reading	31
Math	33

Which graph matches the results shown in the table?

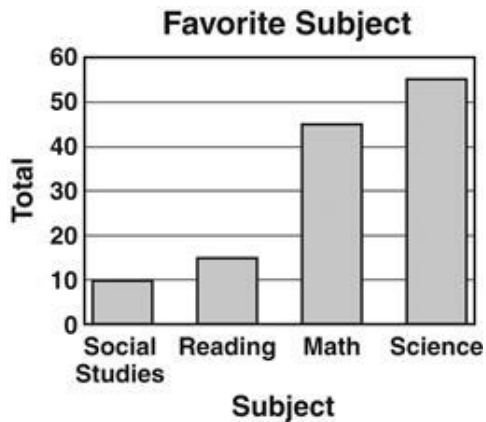
A.



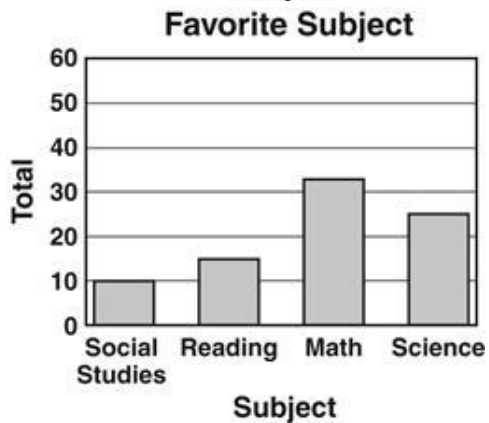
B.



C.



D.

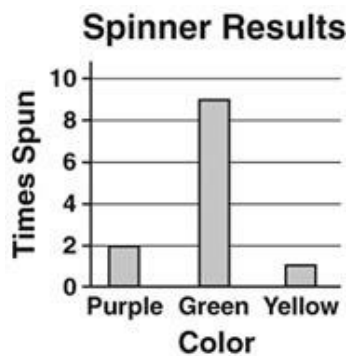


10. Jason spun a spinner 12 times. He recorded his results on a tally chart.

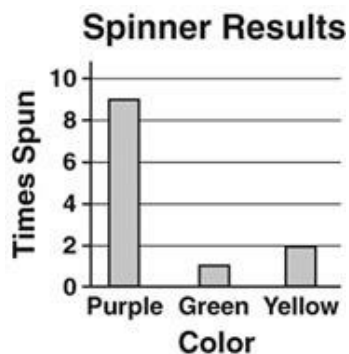
Spinner Results	
Color	Times Spun
Purple	
Green	
Yellow	

Which bar graph matches Jason's tally chart?

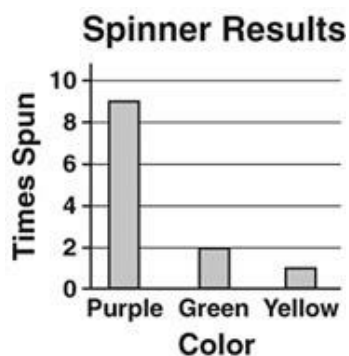
A.



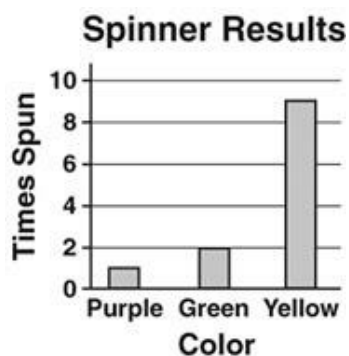
B.



C.



D.

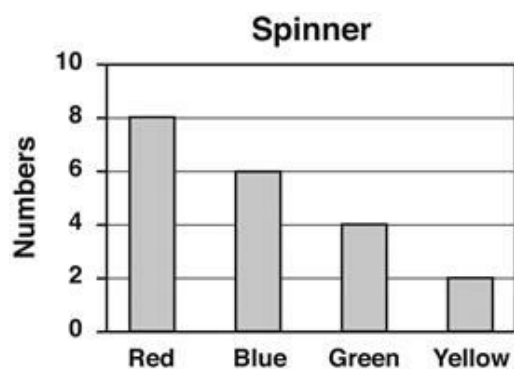


11. Abe did an experiment using a spinner with 4 colors. He spun it many times. He counted the number of times it landed on each color. His results are shown in the table.

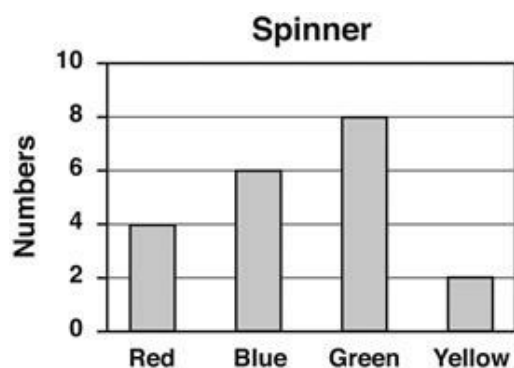
Spinner Results	
Color	Number of Times
Red	8
Blue	6
Green	4
Yellow	2

Which bar graph shows the same information?

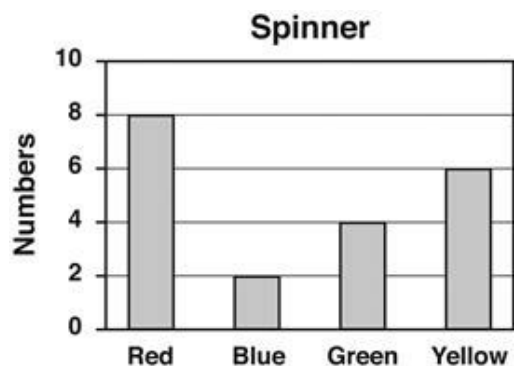
A.



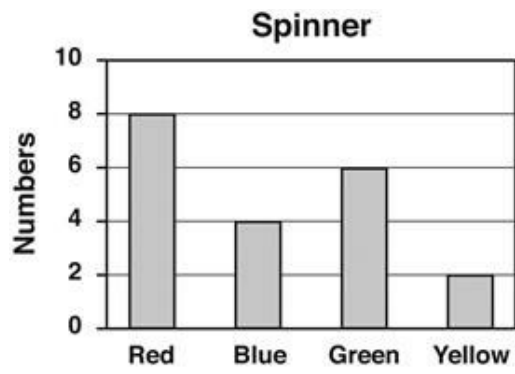
B.



C.



D.



12. Four friends earned star stickers in math class. They made the table below to show how many stickers each of them earned.

Stickers Earned

Name	Number Earned
Julie	18
Christa	21
Betty	12
Lorna	15

Which graph matches the information in the table?

A. **Stickers Earned**

Julie	☆☆☆☆☆
Christa	☆☆☆☆☆☆
Betty	☆☆☆☆
Lorna	☆☆☆

Key: ☆ = 3 stickers

B. **Stickers Earned**

Julie	☆☆☆☆☆☆
Christa	☆☆☆☆
Betty	☆☆☆☆☆
Lorna	☆☆☆☆☆☆☆☆

Key: ☆ = 3 stickers

C. **Stickers Earned**

Julie	☆☆☆☆☆☆☆☆
Christa	☆☆☆☆☆☆
Betty	☆☆☆☆☆
Lorna	☆☆☆☆

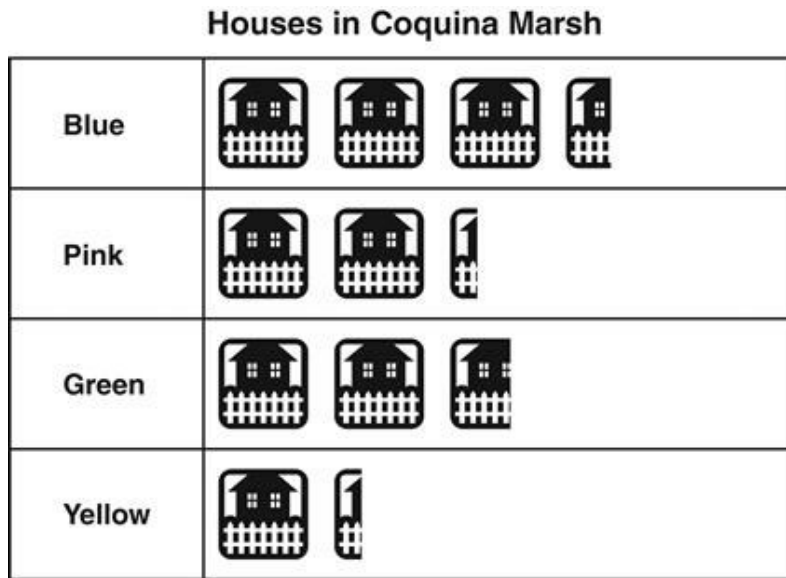
Key: ☆ = 3 stickers

D. **Stickers Earned**





Julie	☆☆☆☆☆☆
Christa	☆☆☆☆☆☆☆☆
Betty	☆☆☆☆
Lorna	☆☆☆☆☆☆

Key: ☆ = 3 stickers

13. Franco surveyed 38 students in his class about the color of their houses in Coquina Marsh. When he tallied the results, there were 14 blue houses, 10 green houses, 5 yellow houses, and 9 pink houses. He graphed his results on this pictograph.



Franco needs a key for his pictograph. Which key BEST fits this pictograph?

- A. **KEY**
 = 2 houses
- B. **KEY**
 = 3 houses
- C. **KEY**
 = 4 houses
- D. **KEY**
 = 5 houses

14. Brad collected data to make a pictograph for math class. He watched the traffic that passed by his bus stop one morning before school. He recorded the number of cars (C), trucks (T), and vans (V) that passed.

Brad's Data

T V C C V C V T T T V C T C C C C T C C

Brad made a pictograph from his data. Which pictograph section shows the correct number of cars he saw pass his bus stop?



Key: Each ● = 2 vehicles



Key: Each ● = 2 vehicles

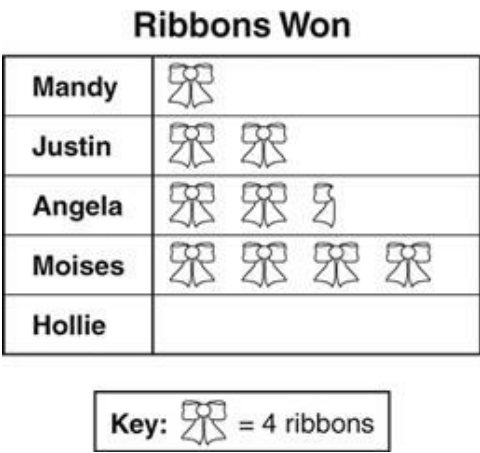


Key: Each ● = 2 vehicles



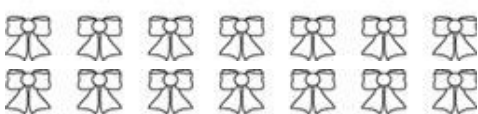



Key: Each ● = 2 vehicles

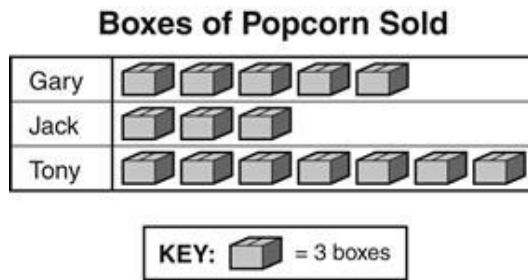
15. The pictograph shows the number of ribbons each child received on Field Day.



If Hollie won 14 ribbons, what would the graph show for her?

- A. 
- B. 
- C. 
- D. 

16. The pictograph below shows the amount of popcorn 3 boys sold.



The pictograph below shows the amount of popcorn 3 boys sold. Which table below matches the information in the pictograph?

A. **Boxes of Popcorn Sold**

Gary	5
Jack	3
Tony	7

B. **Boxes of Popcorn Sold**

Gary	10
Jack	6
Tony	14

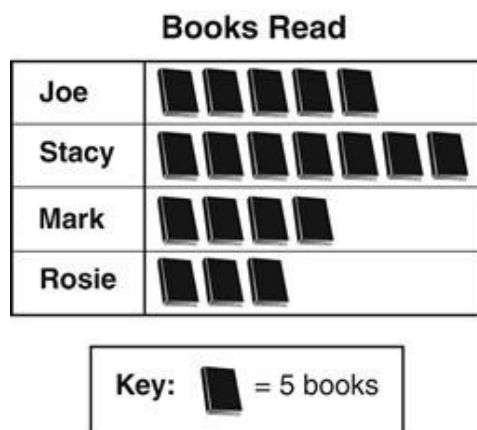
C. **Boxes of Popcorn Sold**

Gary	15
Jack	9
Tony	21

D. **Boxes of Popcorn Sold**

Gary	15
Jack	6
Tony	14

17. The pictograph shows the number of books that 4 friends read over the summer.



Which table shows the same data?

A. **Books Read**

Joe	5
Stacy	7
Mark	4
Rosie	3

B. **Books Read**

Joe	15
Stacy	20
Mark	35
Rosie	25

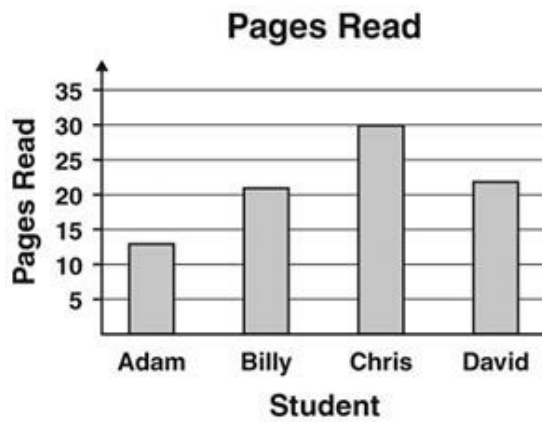
C. **Books Read**

Joe	20
Stacy	30
Mark	20
Rosie	15

D. **Books Read**

Joe	25
Stacy	35
Mark	20
Rosie	15

18. The graph shows the number of pages 4 students read for homework last week.



Which table matches the information in the graph?

A.

Pages Read	
Student	Pages Read
Adam	13
Billy	21
Chris	30
David	22

B.

Pages Read	
Student	Pages Read
Adam	15
Billy	26
Chris	28
David	23

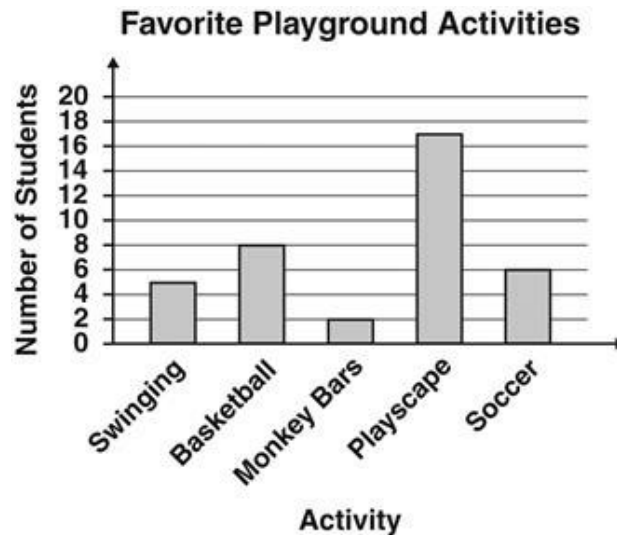
C.

Pages Read	
Student	Pages Read
Adam	20
Billy	25
Chris	30
David	25

D.

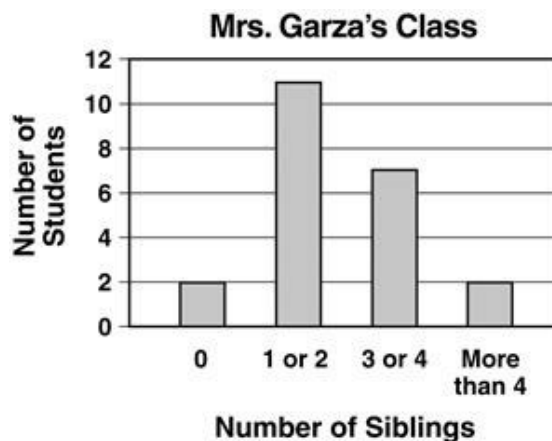
Pages Read	
Student	Pages Read
Adam	10
Billy	8
Chris	15
David	14

19. The principal at a school surveyed one girl and one boy from each class about his or her favorite playground activity. Each student could name one activity. The results are shown in the graph below.



Which conclusion could the principal make based on the results of the survey?

- A. Most of the students in the school would choose the monkey bars as their favorite playground activity.
 - B. None of the students in the school would choose the monkey bars as their favorite playground activity.
 - C. More students in the school would choose the playscape as their favorite playground activity than any other playground activity.
 - D. Fewer students in the school would choose soccer as their favorite playground activity than any other playground activity.
20. The students in Mrs. Garza's class made a graph that shows the number of siblings they each have.



Which table matches the information in the graph?

A.

Mrs. Garza's Class

Number of Siblings	Number of Students
0	1
1 or 2	10
3 or 4	6
More than 4	1

B.

Mrs. Garza's Class

Number of Siblings	Number of Students
0	2
1 or 2	10
3 or 4	6
More than 4	2

C.

Mrs. Garza's Class

Number of Siblings	Number of Students
0	0
1 or 2	2
3 or 4	4
More than 4	5

D.

Mrs. Garza's Class

Number of Siblings	Number of Students
0	2
1 or 2	11
3 or 4	7

More than 4	2
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