

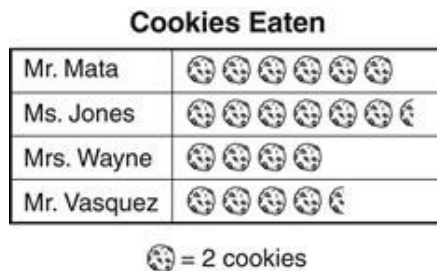
TEST NAME: RES Brain Breakfast - Graphing
TEST ID: 3248308
GRADE: 03 - Third Grade
SUBJECT: Mathematics
TEST CATEGORY: My Classroom

Student: _____

Class: _____

Date: _____

1. Four classes had an end-of-year celebration. The number of cookies eaten by each class is shown in the graph below.



Which table BEST shows the information in the graph?

A. **Cookies Eaten**

Class	Number of Cookies
Mr. Mata	6
Ms. Jones	6
Mrs. Wayne	4
Mr. Vasquez	4

B. **Cookies Eaten**

Class	Number of Cookies
Mr. Mata	6
Ms. Jones	7
Mrs. Wayne	4
Mr. Vasquez	5

C. **Cookies Eaten**

Class	Number of Cookies
Mr. Mata	12
Ms. Jones	13

Mrs. Wayne	8
Mr. Vasquez	9

D.

Cookies Eaten

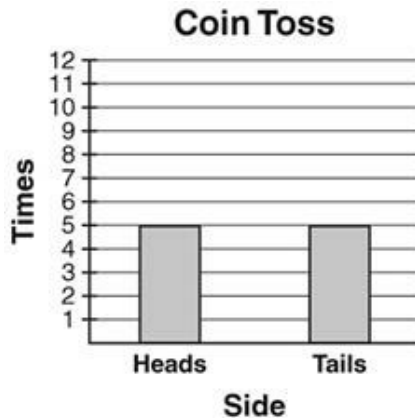
Class	Number of Cookies
Mr. Mata	12
Ms. Jones	12
Mrs. Wayne	8
Mr. Vasquez	13

2. Heather flipped a coin 12 times. She recorded her results on a table.

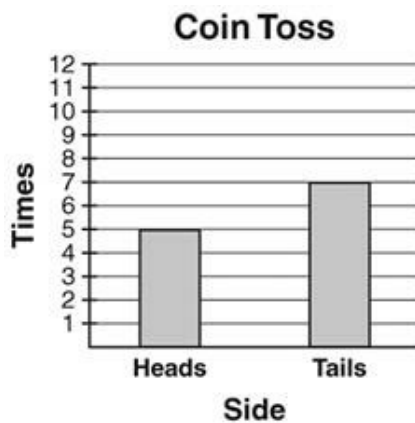
Coin Toss	
Side	Times
Heads	
Tails	

Which graph best shows her results?

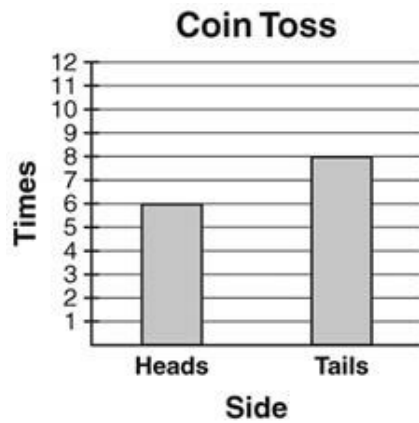
A.



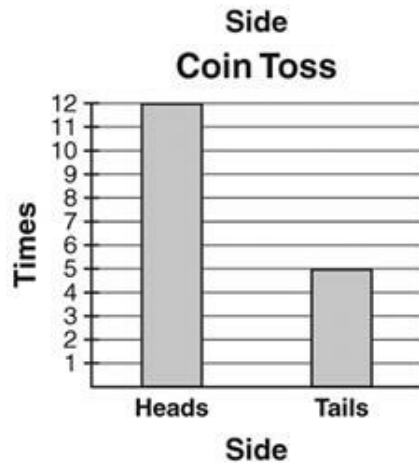
B.



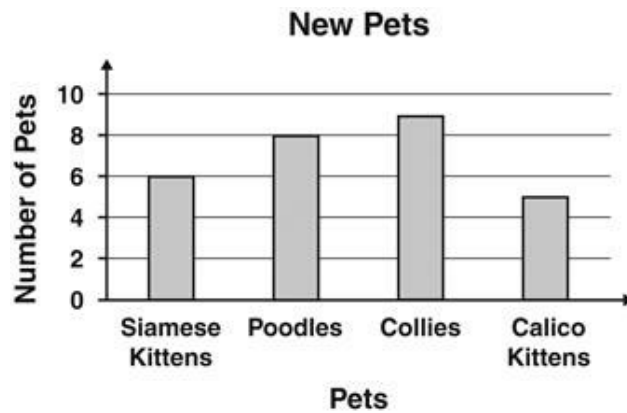
C.



D.



3. A pet store recently received several litters of kittens and puppies. The bar graph shows the types and numbers of kittens and puppies received.



Which table correctly shows the data displayed in the bar graph?

A.

Pets	
Type	Number
Siamese Kittens	6
Poodles	8
Collies	10
Calico Kittens	5

B.

Pets

Type	Number
Siamese Kittens	6
Poodles	8
Collies	8
Calico Kittens	5

C.

Pets

Type	Number
Siamese Kittens	6
Poodles	8
Collies	9
Calico Kittens	5

D.

Pets

Type	Number
Siamese Kittens	6
Poodles	8
Collies	9
Calico Kittens	7

4. Keisha spun a fair spinner 12 times at a local grocery store. She recorded the items she won in the table below.

Survey Results	
Prize	Number
Pizza	3
Cookies	2
Fruit	5
Juice	2

Which of the following tally charts correctly shows her results?

A.

Survey Results	
Pizza	
Cookies	
Fruit	
Juice	

B.

Survey Results	
Pizza	
Cookies	
Fruit	
Juice	

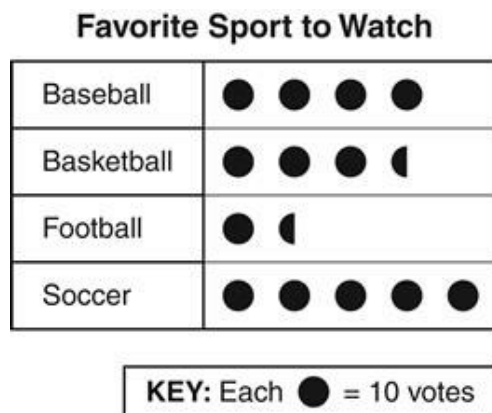
C.

Survey Results	
Pizza	
Cookies	
Fruit	
Juice	

D.

Survey Results	
Pizza	
Cookies	
Fruit	
Juice	

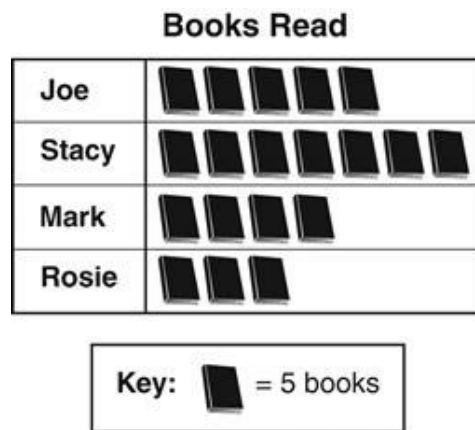
5. The school newspaper surveyed students on the school sport they most prefer to watch. The data are shown in the graph below.



Which statement is true based on the data?

- A. Football is the least watched sport listed.
- B. Baseball is the most watched school sport listed.
- C. Soccer is watched as much as baseball and football combined.
- D. Baseball and soccer are watched by equal numbers of students.

6. 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

7. Jamal was rolling a fair number cube numbered 1 to 6. He rolled 7 ones, 5 twos, 4 threes, 6 fours, 7 fives, and 8 sixes. Which tally chart matches his results?

A.

Number Cube	
Number	Times Rolled
One	
Two	
Three	
Four	
Five	
Six	

B.

Number Cube	
Number	Times Rolled
One	
Two	
Three	
Four	
Five	
Six	

C.

Number Cube	
Number	Times Rolled
One	
Two	
Three	
Four	
Five	
Six	

D.

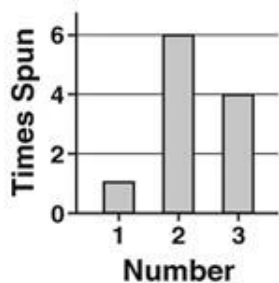
Number Cube	
Number	Times Rolled
One	
Two	
Three	
Four	
Five	
Six	

8. Mary spun a spinner and made a tally chart of her results.

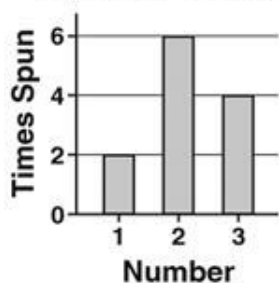
Spinner Results	
Number	Times
1	
2	
3	

Which bar graph matches Mary's results?

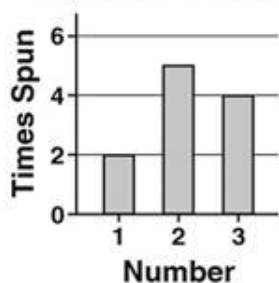
A. Spinner Results



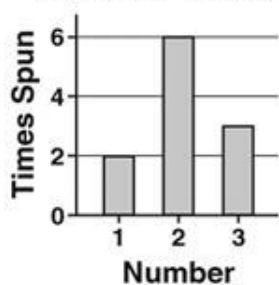
B. Spinner Results



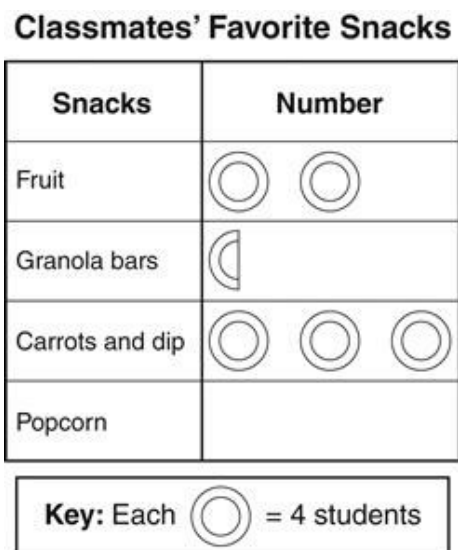
C. Spinner Results










D. Spinner Results






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



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

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

10. Mary had a bag containing different colored tiles. The table shows the results of her drawing out 15 tiles without looking.





Drawing Tiles	
Color	Number
red	
blue	
green	
yellow	


Based on the table, the bag contained the MOST of what color tiles?

- A. red
- B. blue
- C. green
- D. yellow





11. Carmen surveyed her classmates. She found that 7 classmates owned dogs, 5 owned cats, 4 owned birds, and 3 owned fish. Which pictograph matches the results of Carmen's survey?


A.

Carmen's Survey	
Dogs	
Cats	
Birds	
Fish	





Key: Each  = 2 classmates


B.

Carmen's Survey	
Dogs	
Cats	
Birds	
Fish	





Key: Each  = 2 classmates


C.

Carmen's Survey	
Dogs	
Cats	
Birds	
Fish	

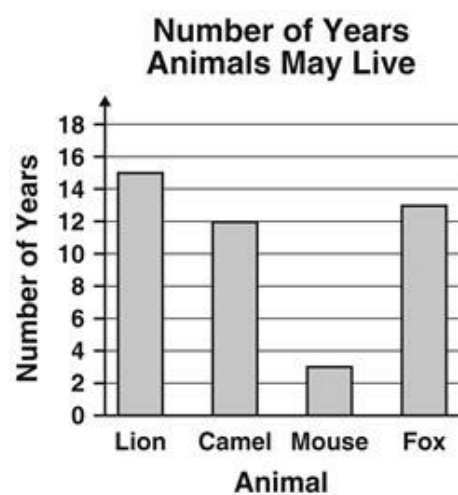
Key: Each  = 1 classmate

D.

Carmen's Survey	
Dogs	
Cats	
Birds	
Fish	

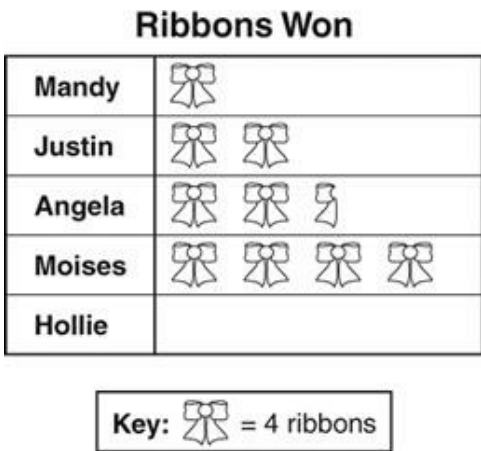
Key: Each  = 1 classmate

12. According to the graph, which animal is expected to live the longest?
























- A. Lion
- B. Camel
- C. Mouse
- D. Fox

13. 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?

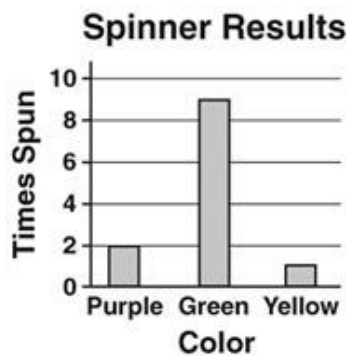
- A.    
- B.       
- C.       
- D.   

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

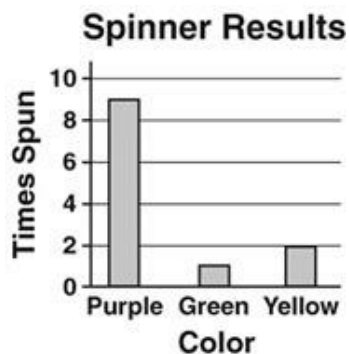
Spinner Results	
Color	Times Spun
Purple	
Green	
Yellow	

Which bar graph matches Jason's tally chart?

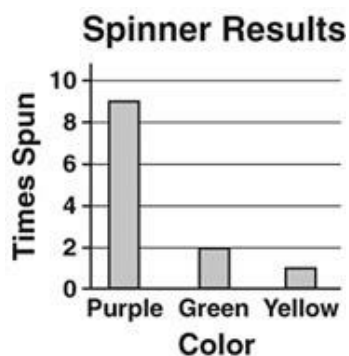
A.



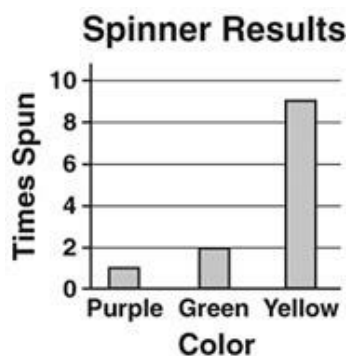
B.



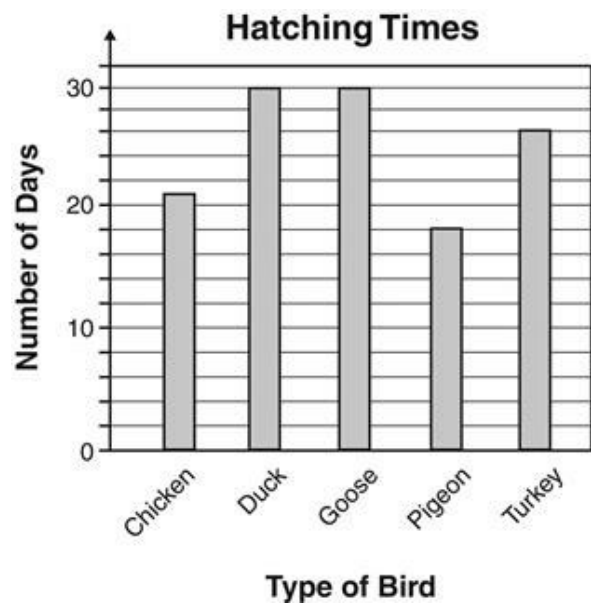
C.



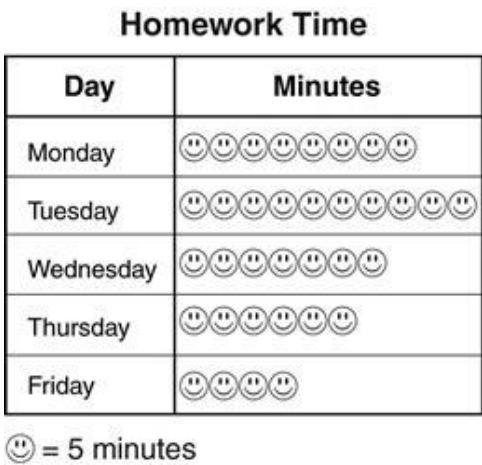
D.



15. How many more days will it take for a turkey egg to hatch than a chicken egg?



- A. 4
 - B. 5
 - C. 8
 - D. 12
16. The graph shows the amount of time Patricia spent on homework each day.



Which table correctly matches the information in the graph?

A. **Homework Time**

Monday	50
Tuesday	40
Wednesday	30
Thursday	30

Friday	20
--------	----

B. **Homework Time**

Monday	8
Tuesday	10
Wednesday	7
Thursday	6
Friday	4

C. **Homework Time**

Monday	40
Tuesday	50
Wednesday	35
Thursday	30
Friday	20

D. **Homework Time**

Monday	35
Tuesday	40
Wednesday	50
Thursday	30
Friday	20

17. 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

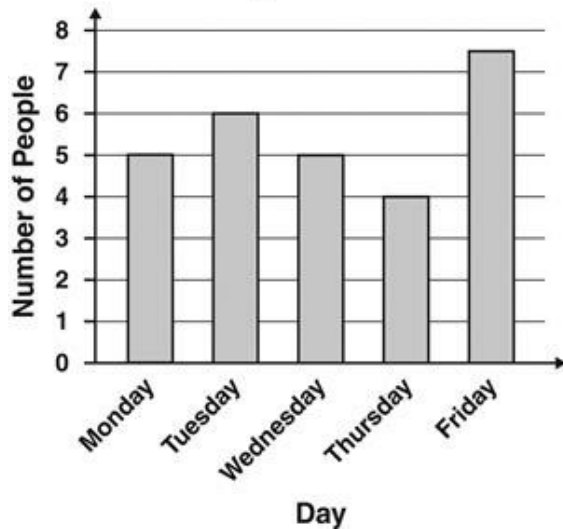
18. Blake counted the number of people who used the city bus at his bus stop for five days, as shown in the table.

Number of People at Blake's Bus Stop

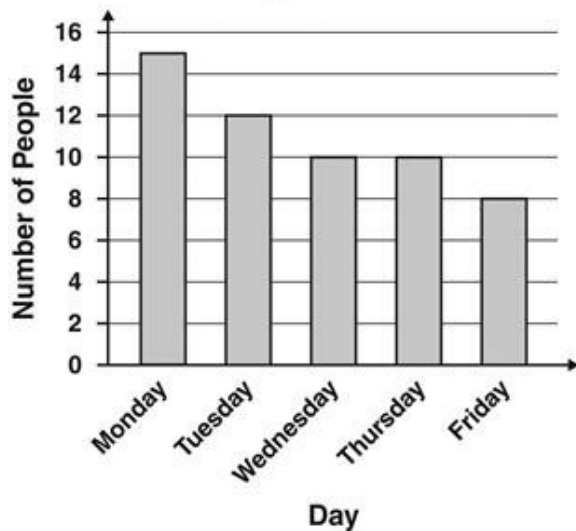
Monday	Tuesday	Wednesday	Thursday	Friday
10	12	10	8	15

Which graph correctly displays Blake's information?

A. **Number of People at Blake's Bus Stop**



B. **Number of People at Blake's Bus Stop**









C. **Number of People at Blake's Bus Stop**

Day	Number of People
Monday	5 stick figures
Tuesday	6 stick figures
Wednesday	5 stick figures
Thursday	4 stick figures
Friday	8 stick figures

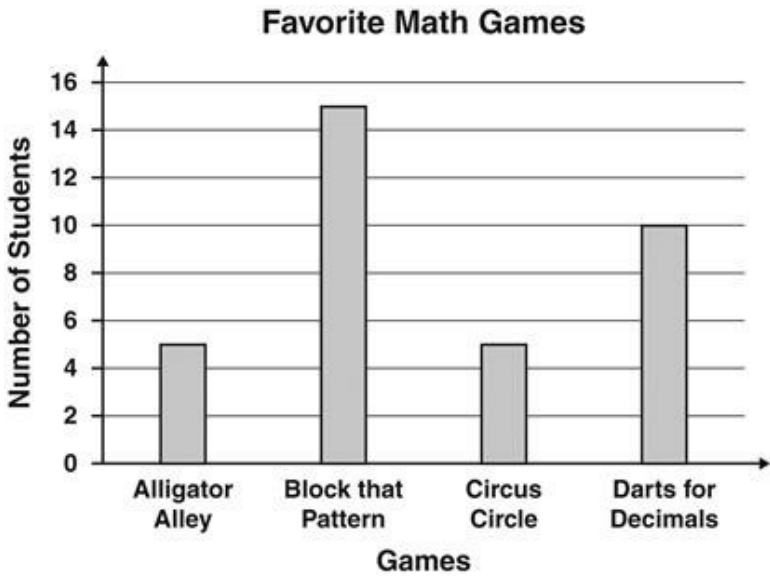
KEY: Each stick figure = 2 people

D. **Number of People at Blake's Bus Stop**

Day	Number of People
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

KEY: Each  = 2 people

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



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

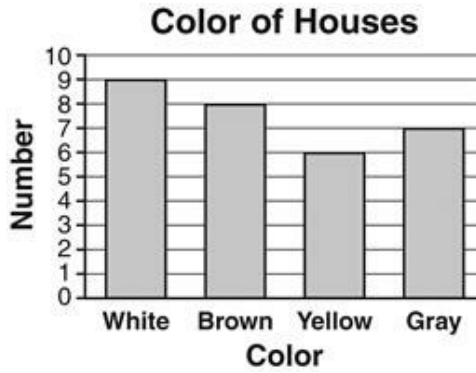
- A. 0
 - B. 5
 - C. 10
 - D. 15
20. As Joanne walked around the block in her neighborhood, she recorded the color of each house on a tally chart.

Colors of Houses

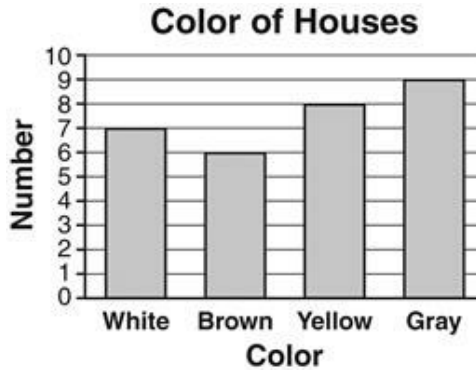
Color	Number
White	
Brown	
Yellow	
Gray	

Which bar graph matches her tally chart?

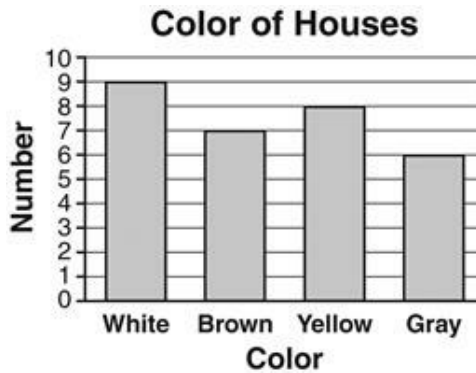
A.



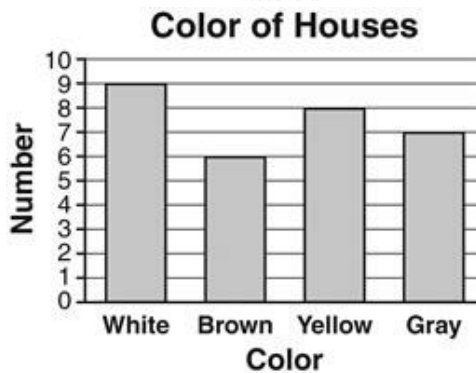
B.



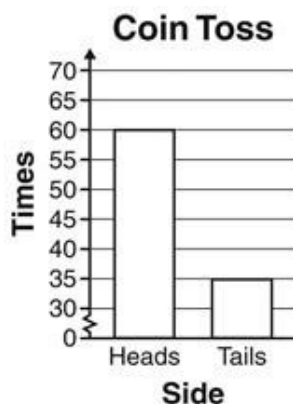
C.



D.

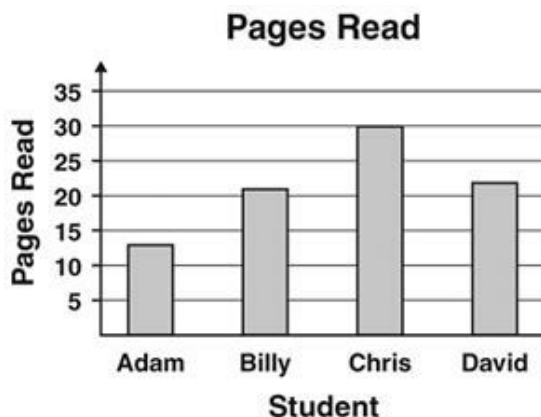


21. Sammy tossed a coin. He made this graph to show the results.



How many more times did heads come up than tails?

- A. 25 times
 - B. 35 times
 - C. 60 times
 - D. 95 times
22. 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

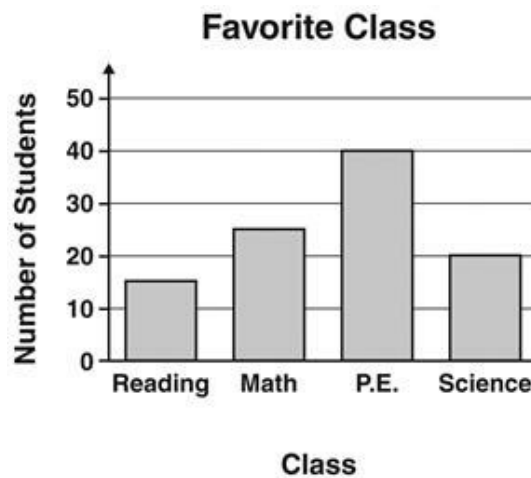
C.

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

23. Jenny asked 100 third-grade students which subject they preferred to study before lunch. She made the graph below showing students' answers.



Which subject did they prefer to study LEAST before lunch?

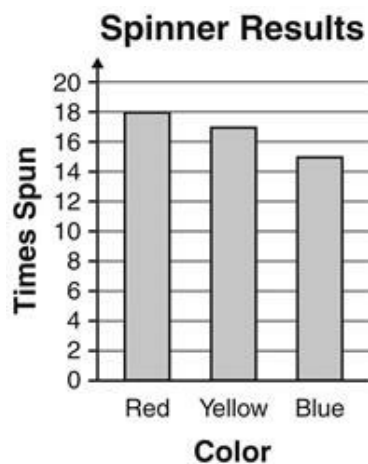
- A. Reading
- B. Math
- C. P.E.
- D. Science

24. Johanna spun a spinner 50 times and recorded the results.

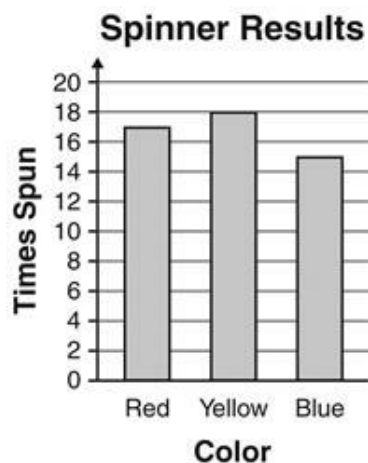
Spinner Results	
Color	Times Spun
Red	
Yellow	
Blue	

Which bar graph matches her results?

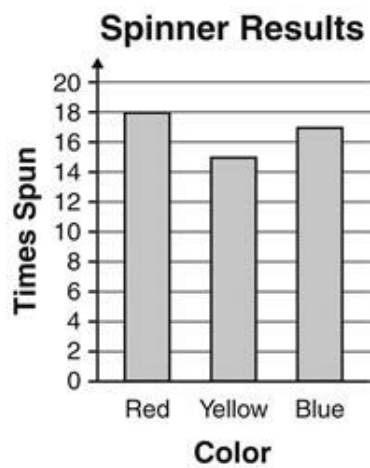
A.



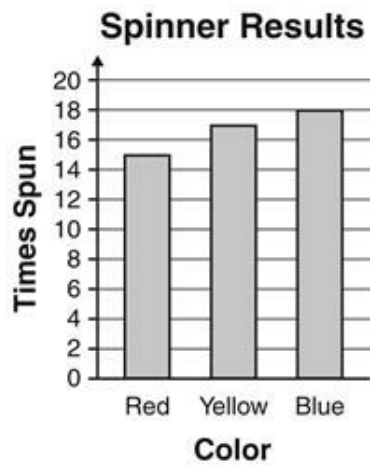
B.



C.



D.



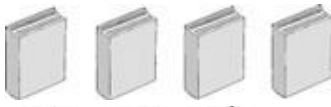
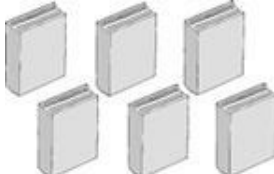


25. Look at the table below.

Books Read

	April	May
Mike	8	12
Keisha	6	14

If a picture of 1 book means that 2 books were read, which set of pictures shows how many books Keisha read in May?

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

26. After watching a new movie, 18 children were surveyed and asked to rate the movie. The list below shows the choices they had to rate the movie.

The 😊 means you really liked the movie.

The 😐 means you thought the movie was okay.

The ☹ means you did not like the movie.

The results of the survey are shown below.



Which pictograph below correctly represents the results of the survey?

A.

Movie Rating	Results
	★★★★
	★★★★★★
	★★

Key: Each ★ = 2 votes

B.

Movie Rating	Results
	★★★★
	★★★
	★★

Key: Each ★ = 2 votes

C.

Movie Rating	Results
	★★★★★★★★
	★★★★★★
	★★★★

Key: Each ★ = 2 votes

D.

Movie Rating	Results
	★★
	★★★
	★★★★

Key: Each ★ = 2 votes

27. The students in Mr. Pinter's fifth-grade class were asked how many hours per week they spent reading. The results are shown in the pictograph below.



How many more students read 6–8 hours per week than read 0–2 hours per week?

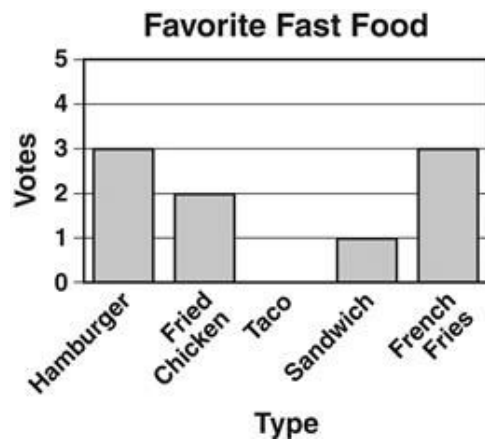
- A. 3
 - B. 4
 - C. 5
 - D. 6
28. LeeAnn took a survey based on her family members' favorite fast foods. The table shows the results.

Favorite Fast Food

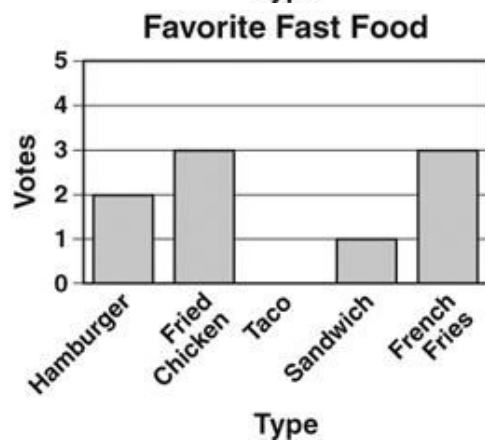
Type	Votes
Hamburger	2
Fried Chicken	3
Taco	0
Sandwich	1
French Fries	3

Which graph matches the results shown in the table?

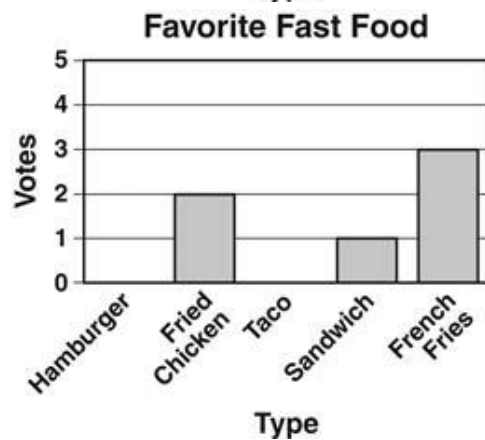
A.



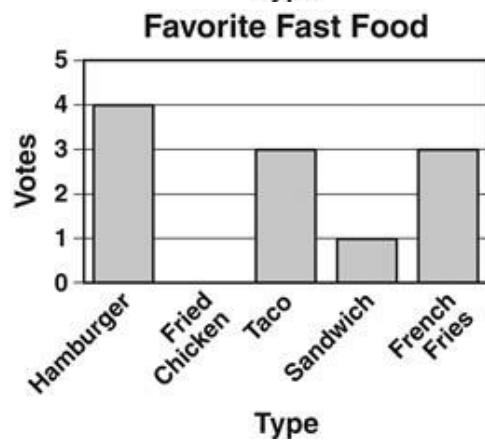
B.



C.



D.



29. Mr. Papish had students vote for their favorite playground game. The chart shows the

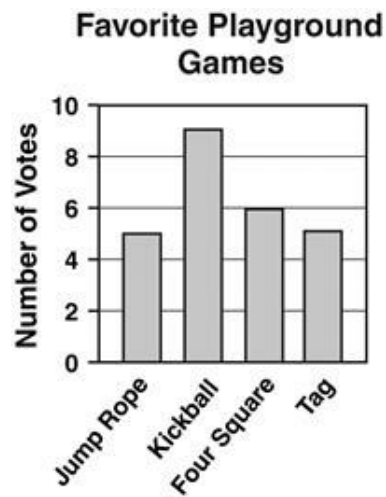
results.

Favorite Playground Games

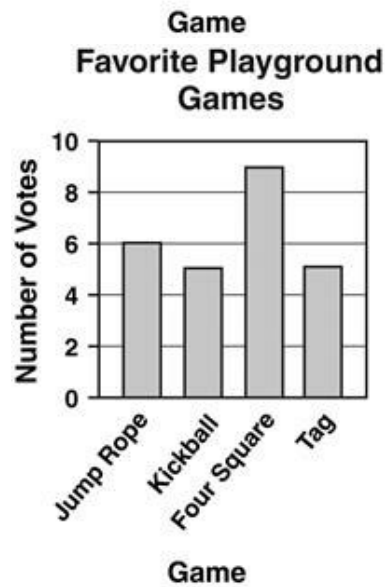
Jump Rope	
Kickball	I
Four Square	
Tag	

Which graph matches the results on the chart?

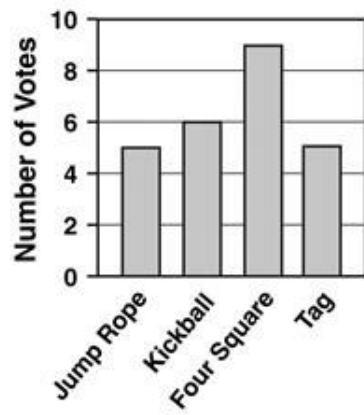
A.



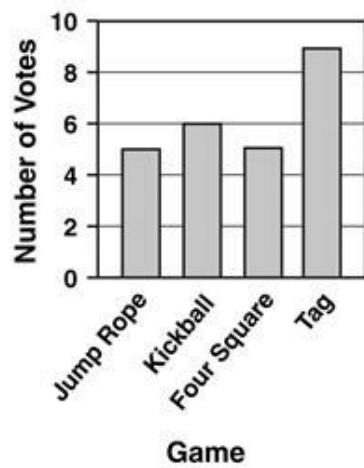
B.















C. **Favorite Playground Games**




D. **Favorite Playground Games**



30. Mr. Kinney's 3rd-grade class counted the number of butterflies in the school garden each day last week. The pictograph shows what the class found.

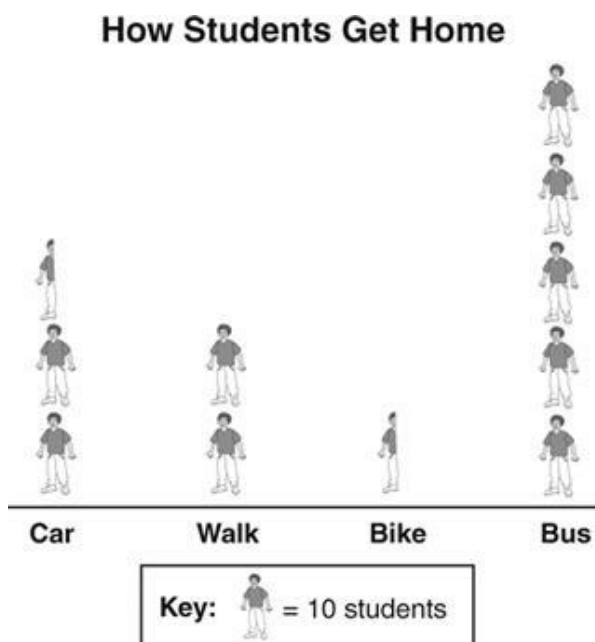
Counting Butterflies	
Day	Number
Monday	 
Tuesday	  
Wednesday	
Thursday	   
Friday	 

Each  = 2 butterflies

How many butterflies did Mr. Kinney's students see in the school garden on Thursday?

- A. 2
- B. 4
- C. 8
- D. 12

31. The picture graph below shows how students get home from Webster School.



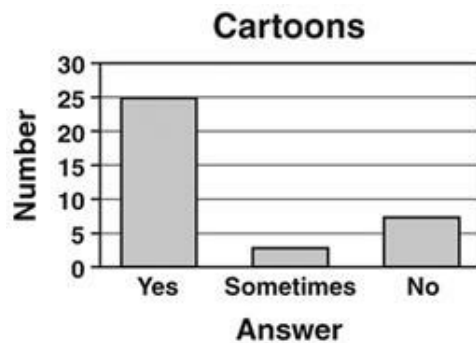
How many students ride the bus home?

- A. 5
 - B. 20
 - C. 25
 - D. 50
32. Carlos asked 35 people if they watched cartoons. He wrote his answers in the following table.

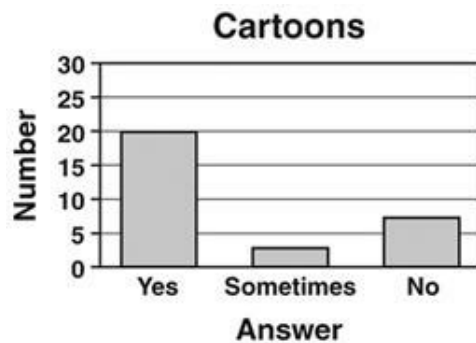
Cartoons	
Answer	Number
Yes	
Sometimes	
No	

Which of the following graphs BEST represents the information in the table?

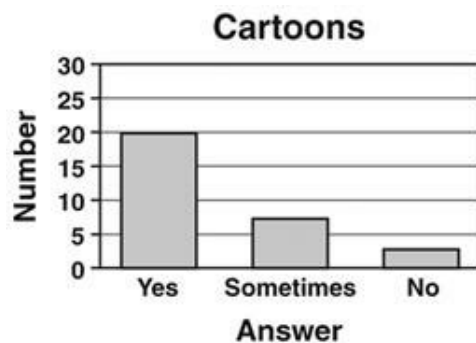
A.



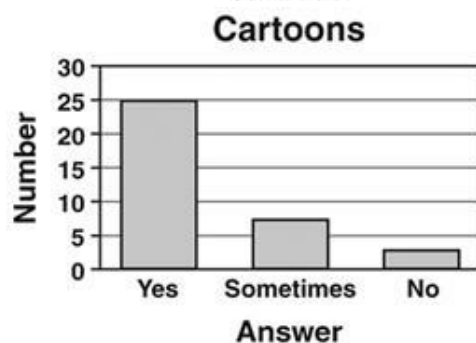
B.



C.



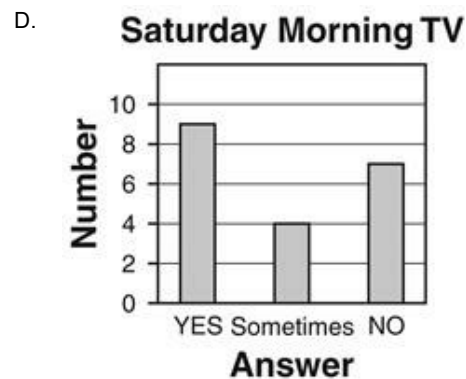
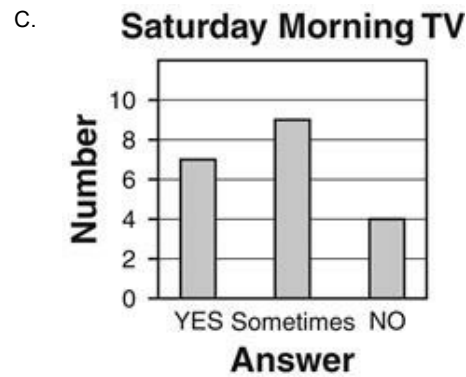
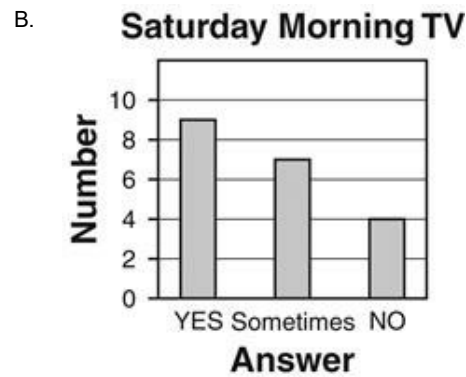
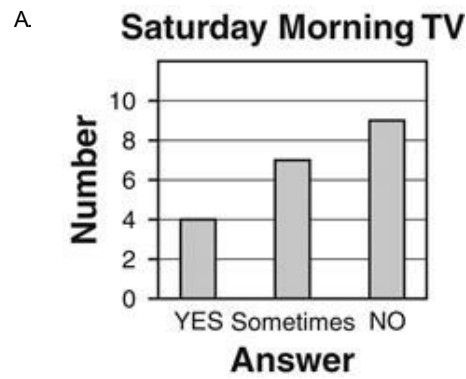
D.



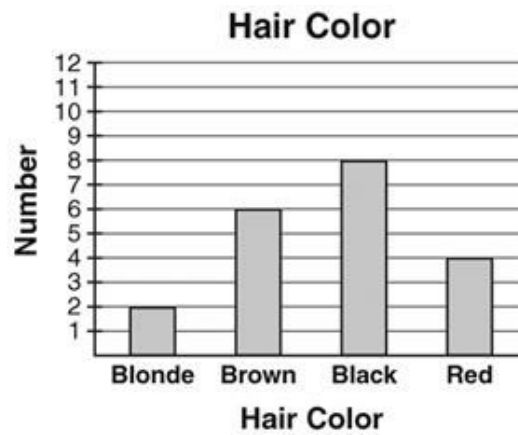
33. Kyle asked 20 people if they watch television on Saturday morning. He used this table to record their answers.

Saturday Morning TV	
Answer	Number
YES	
Sometimes	
NO	

Which graph BEST represents the information in the table?



34. Kelly graphed the hair color of all 20 students in her class.



Which table matches her graph?

A.

Hair Color	
Hair Color	Number
Blonde	20
Brown	20
Black	20
Red	20

B.

Hair Color	
Hair Color	Number
Blonde	2
Brown	6
Black	8
Red	4

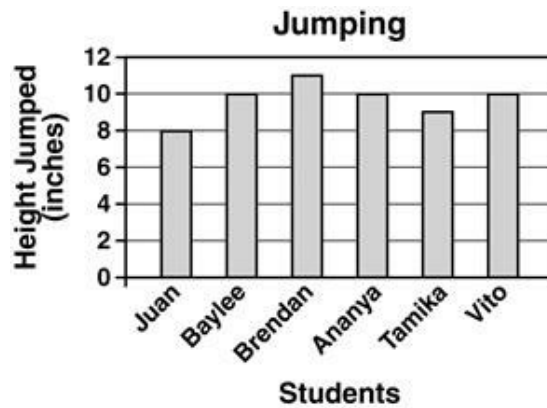
C.

Hair Color	
Hair Color	Number
Blonde	8
Brown	6
Black	4
Red	1

D.

Hair Color	
Hair Color	Number
Blonde	12
Brown	4
Black	2
Red	9

35. In a gym class, students measured how high they could jump. The results are displayed on the following graph.



What height did **MOST** students jump?

- A. 8 inches
- B. 9 inches
- C. 10 inches
- D. 11 inches