STATISTICS – DAY 1

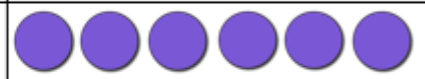
L.O: I can interpret charts

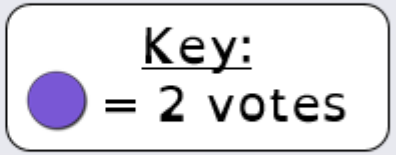
SUCCESS CRITERIA

- ✓ I can use bar charts, pictograms and tables to interpret and present discrete data.
- ✓ I can explain my reasoning when using bar charts, pictograms and tables to interpret and present discrete data.

STARTER

Look at the chart below.

preferred sport	votes
basketball	
football	
running	
swimming	



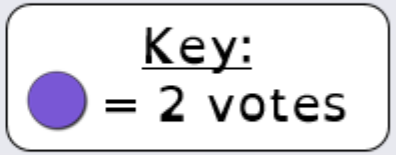
Which one doesn't belong?

Explain your answer.

ANSWER

Look at the chart below.

preferred sport	votes
basketball	
football	
running	
swimming	



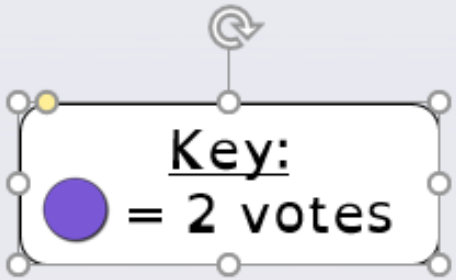
Which one doesn't belong?

Explain your answer.

Basketball doesn't belong as it has an odd number of votes (9 votes), whereas football (12), running (6) and swimming (10) each received an even amount of votes.

Look at the chart, then complete the sentence below.

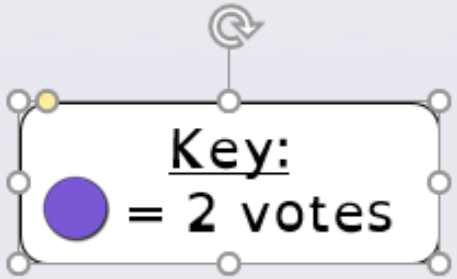
preferred movie	votes
Ice Queen	●●●◗
Pirate Kingdom	●●●●●●●
Unique Unicorn	
Monster Man	●●●●●◗



It is true / false to say that *Monster Man* got the most votes.

ANSWER

preferred movie	votes
Ice Queen	●●●◗
Pirate Kingdom	●●●●●●●
Unique Unicorn	
Monster Man	●●●●●◗



It is true / **false** to say that *Monster Man* got the most votes.

Look at the chart, then complete the sentence below.

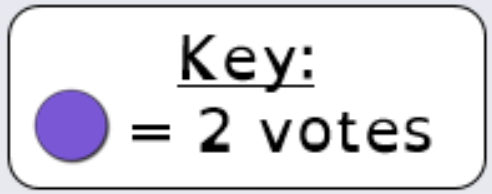
preferred movie	votes
Ice Queen	●●●◗
Pirate Kingdom	●●●●●●●
Unique Unicorn	
Monster Man	●●●●●◗

Key:
● = 2 votes

It is true / false to say that *Pirate Kingdom* got the most votes.

ANSWER

preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	



It is **true** / false to say that *Pirate Kingdom* got the most votes.

Look at the chart, then complete the sentence below.

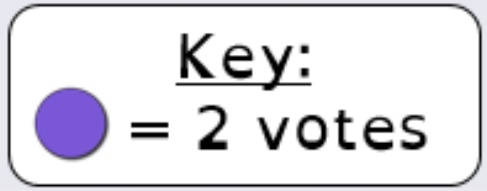
preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	

Key:
● = 2 votes

Unique Unicorn received 5 votes – show it on the chart above.

ANSWER

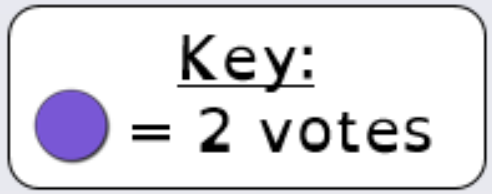
preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	



Unique Unicorn received 5 votes – show it on the chart above.

Look at the chart, then complete the sentence below.

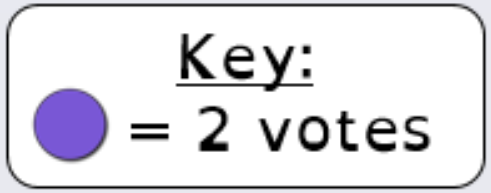
preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	



Pirate Kingdom received __ votes in total.

ANSWER

preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	



Pirate Kingdom received **14** votes in total.

Look at the chart, then complete the sentence below.

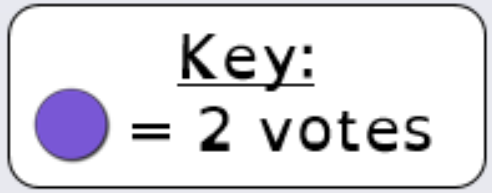
preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	

Key:
● = 2 votes

Ice Queen received __ votes in total.

ANSWER

preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	



Ice Queen received 7 votes in total.

Look at the chart, then complete the sentence below.

preferred movie	votes
Ice Queen	●●●◗
Pirate Kingdom	●●●●●●●
Unique Unicorn	
Monster Man	●●●●●◗

Key:
● = 2 votes

Monster Man received __ votes in total.

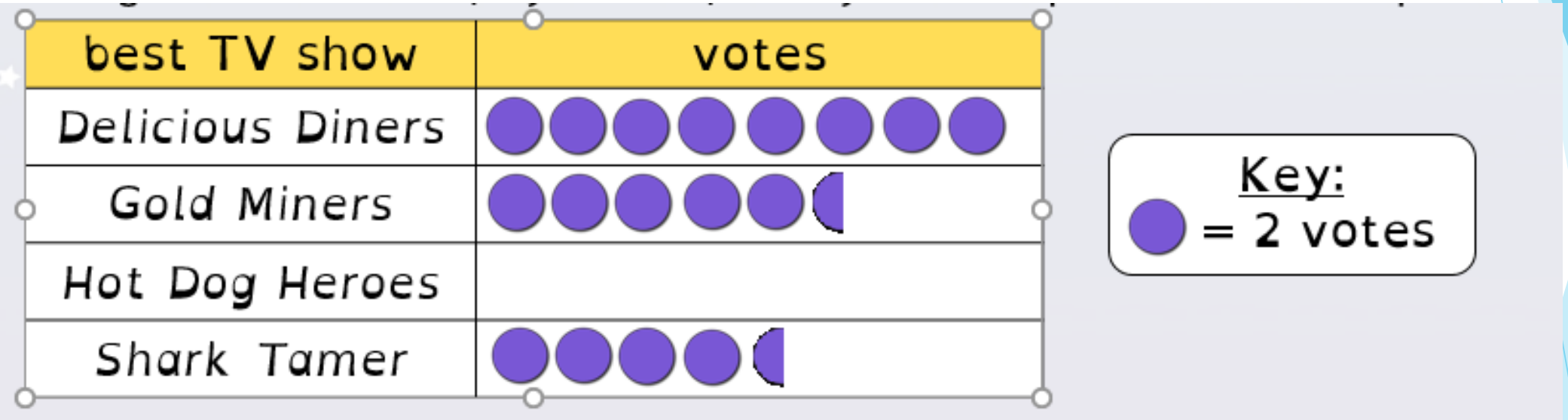
ANSWER

preferred movie	votes
Ice Queen	
Pirate Kingdom	
Unique Unicorn	
Monster Man	

Key:
● = 2 votes

Monster Man received **11** votes in total.

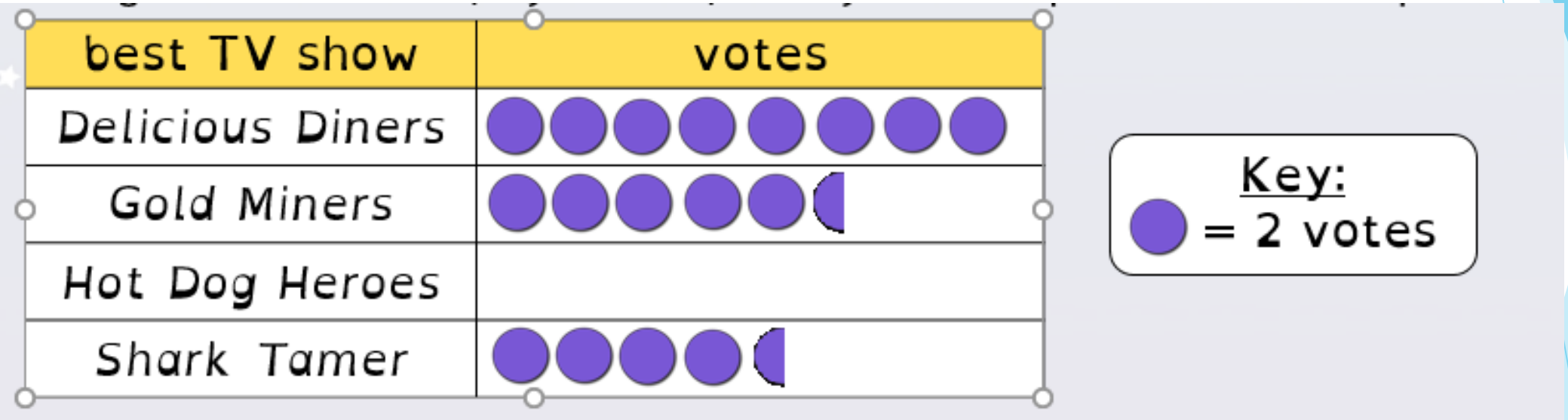
ANSWER THE QUESTIONS BELOW



It is true / false to say that *Gold Miners* got the most votes.

Shark Tamer received __ votes in total.

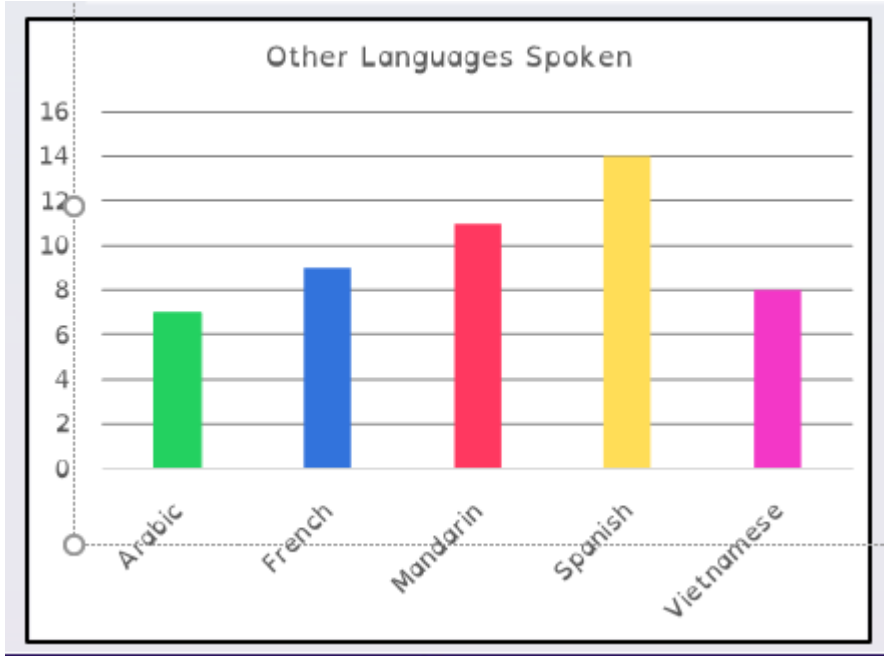
ANSWER



It is true / **false** to say that *Gold Miners* got the most votes.

Shark Tamer received **_9_** votes in total.

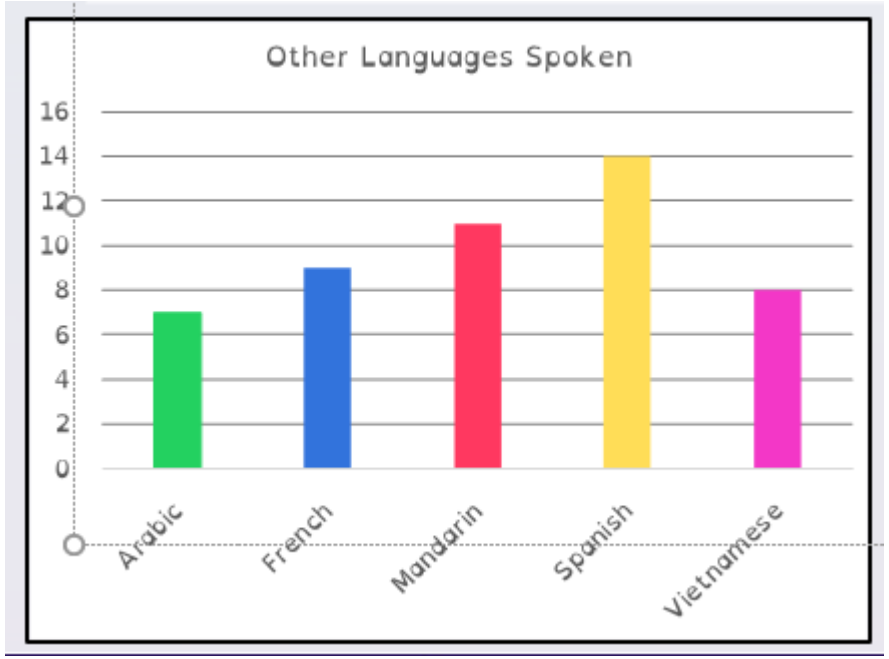
The bar chart shows languages a class of children can speak (not counting English).



language	number of children
Arabic	
French	
Mandarin	
Spanish	
Vietnamese	

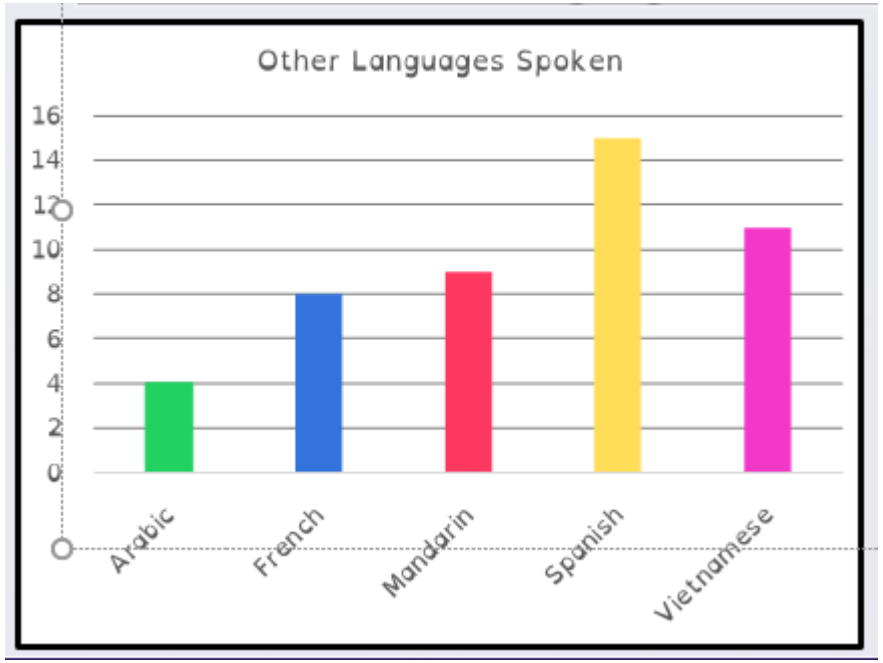
COMPLETE THE TABLE

ANSWER



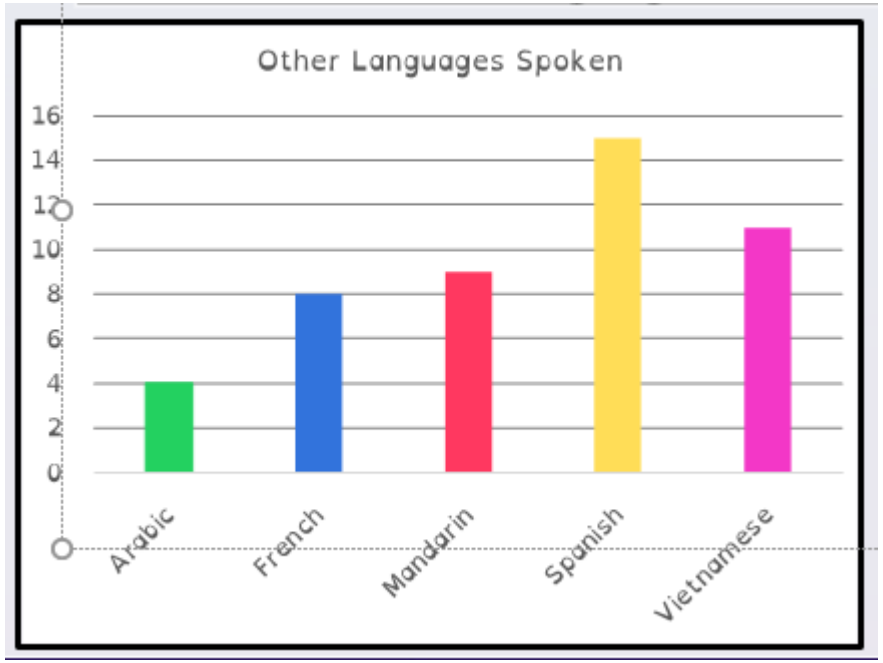
language	number of children
Arabic	seven (7)
French	nine (9)
Mandarin	eleven (11)
Spanish	fourteen (14)
Vietnamese	eight (8)

The bar chart shows languages a class of children can speak (not counting English).



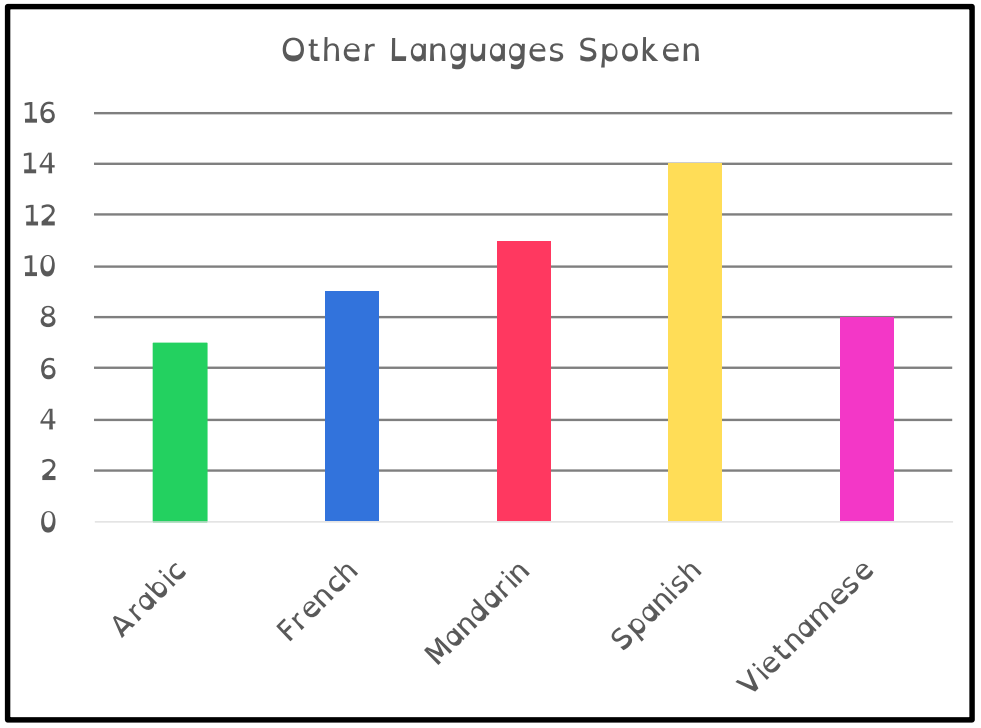
language	number of children
Arabic	
French	
Mandarin	
Spanish	
Vietnamese	

ANSWER



language	number of children
Arabic	four (4)
French	eight (8)
Mandarin	nine (9)
Spanish	fifteen (15)
Vietnamese	eleven (11)

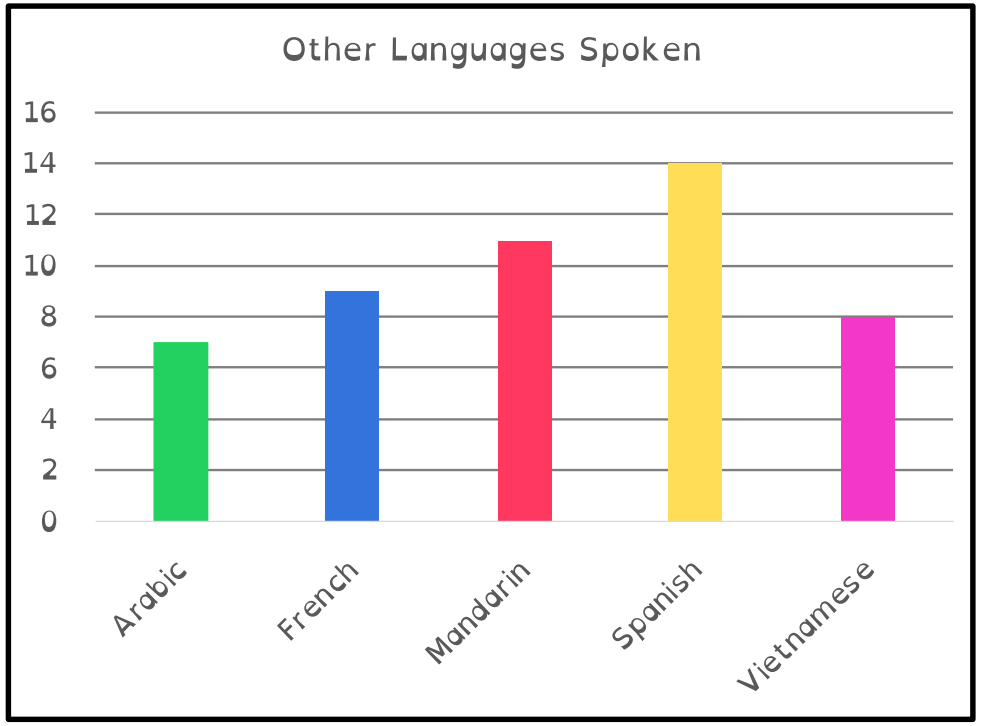
The bar chart shows languages a class of children can speak (not counting English).



language	number of children
Arabic	
French	
Mandarin	
Spanish	
Vietnamese	

Key:
● = 4 children

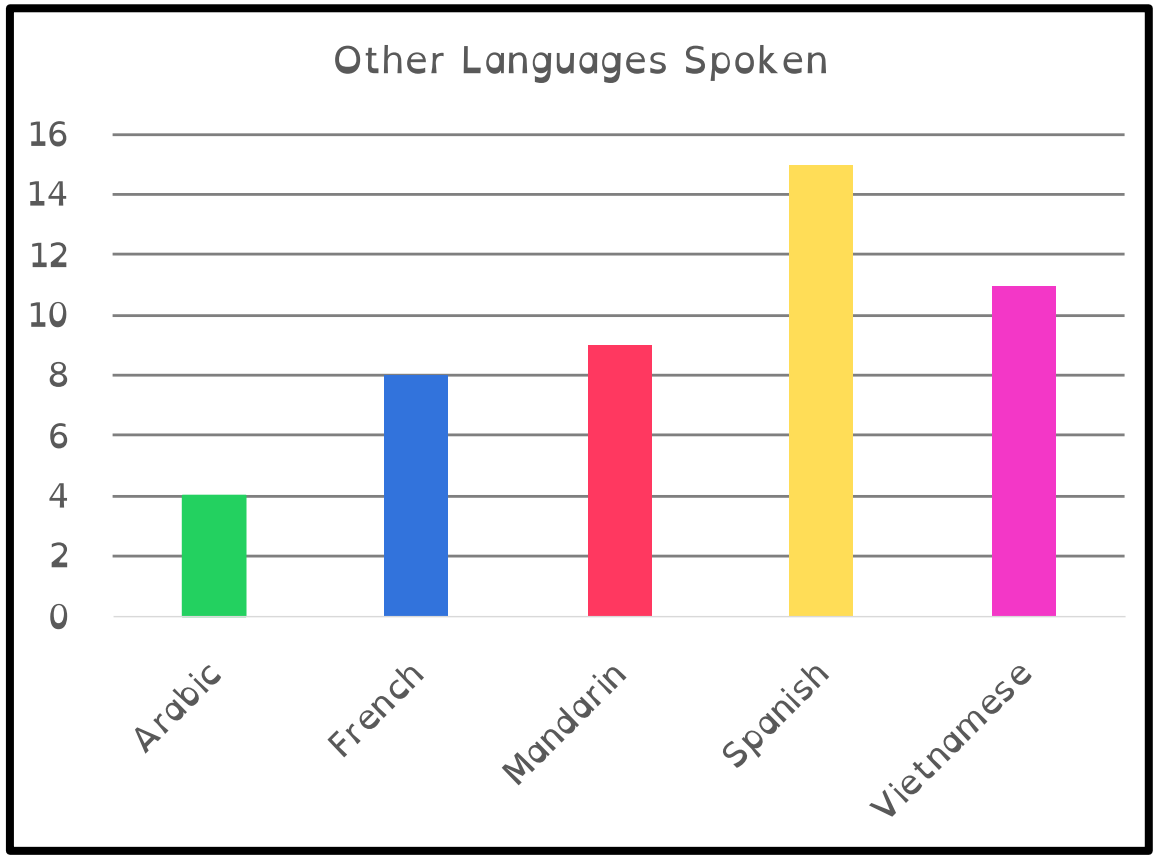
ANSWER



language	number of children
Arabic	● ◔
French	● ● ◔
Mandarin	● ● ◕
Spanish	● ● ● ◗
Vietnamese	● ●

Key:
● = 4 children

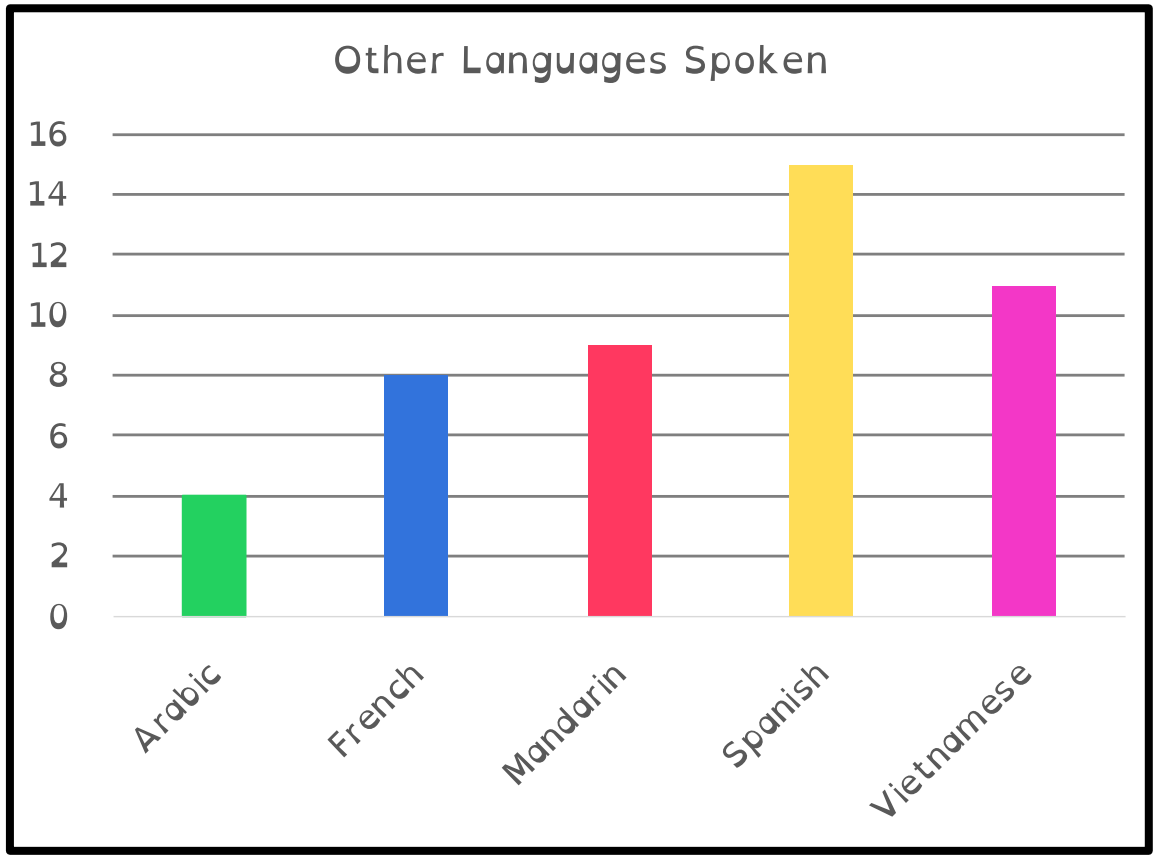
The bar chart shows languages a class of children can speak (not counting English).



language	number of children
Arabic	
French	
Mandarin	
Spanish	
Vietnamese	

Key:
= 4 children

ANSWER

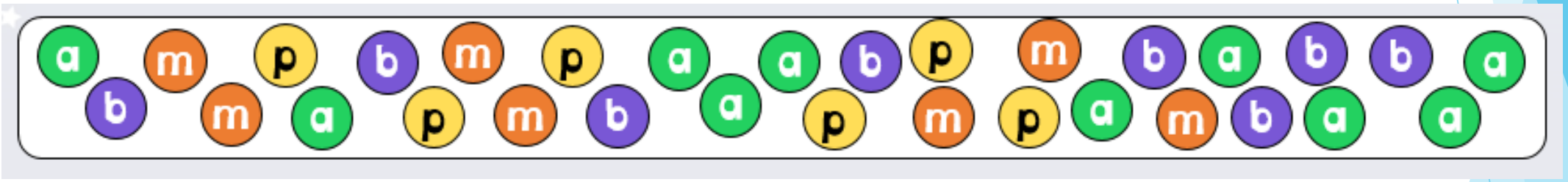


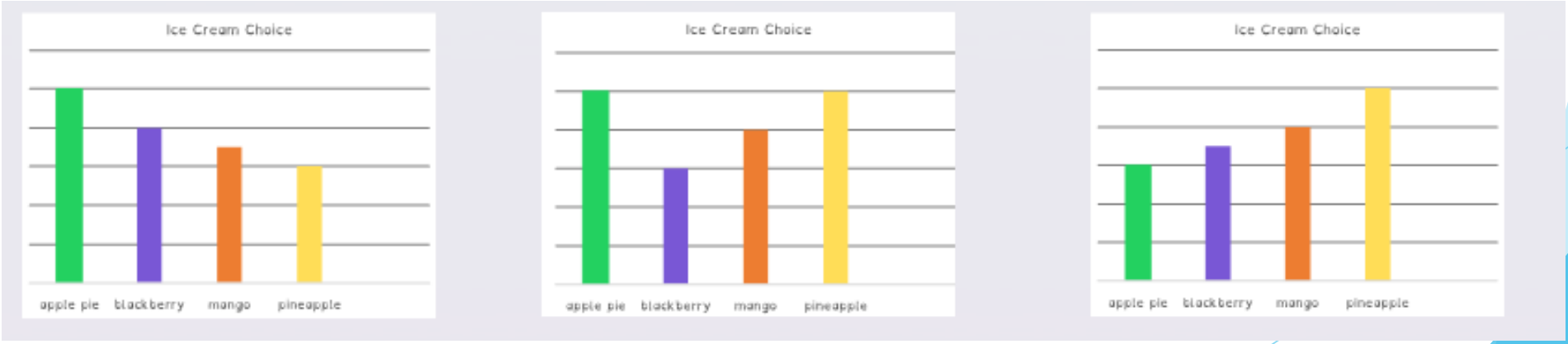
language	number of children
Arabic	●
French	● ●
Mandarin	● ● ◔
Spanish	● ● ● ◔
Vietnamese	● ● ◔

Key:
● = 4 children

WHICH CHART REPRESENTS THE DATA BEST? EXPLAIN YOUR ANSWER.

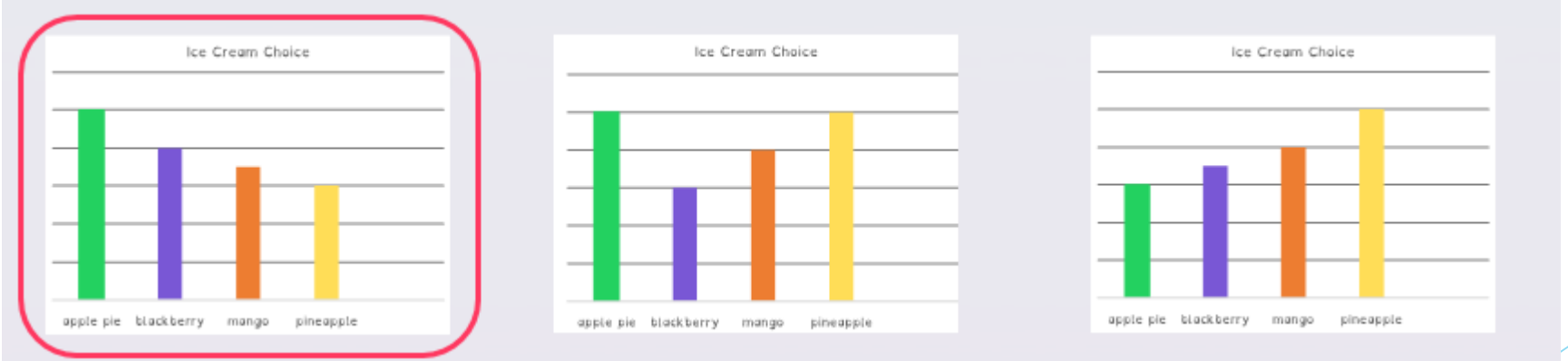
The Gelateria asked its customers which ice cream it should add to its menu: apple pie (a), blackberry (b), mango (m), or pineapple (p). The voting tokens are shown:





ANSWER

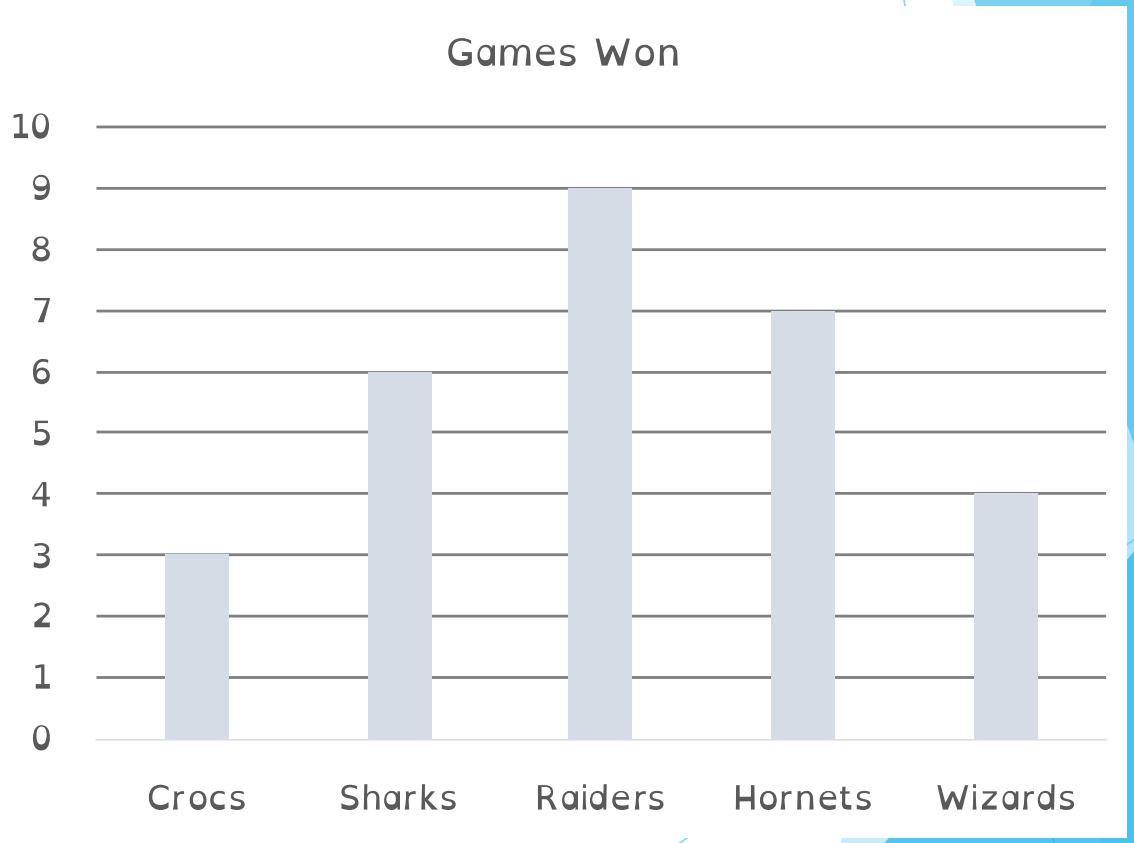
The Gelateria asked its customers which ice cream it should add to its menu: apple pie (a), blackberry (b), mango (m), or pineapple (p). The voting tokens are shown:



The chart on the left: apple (most)… pineapple (least)…

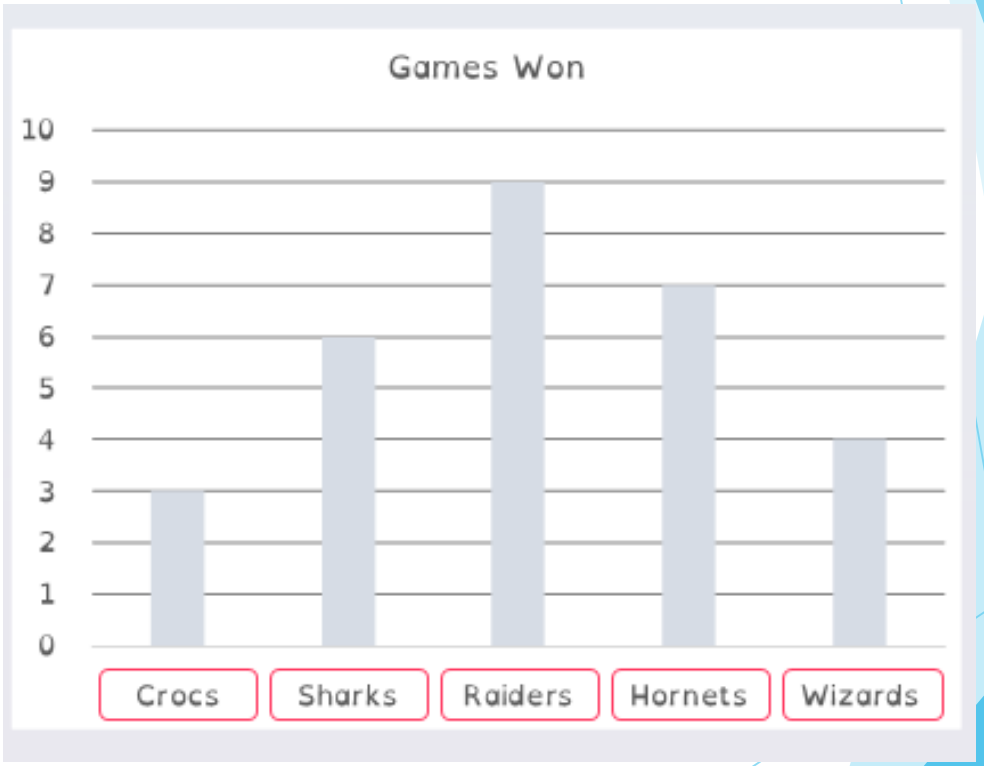
Using the clues provided, label each bar with the correct team name.

- Raiders won the most games.
- Crocs won half as many games as Sharks.
- Hornets won two games fewer than the Raiders.
- Wizards won one game more than Crocs.



ANSWER

- Raiders won the most games.
- Crocs won half as many games as Sharks.
- Hornets won two games fewer than the Raiders.
- Wizards won one game more than Crocs.



Four groups have voted on their preferred fruit. Match each table to its chart.

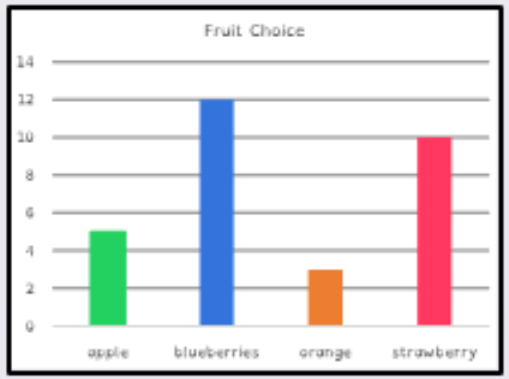
Key:
● = 4 children

Group A	
fruit	votes
apple	11
blueberries	7
orange	8
strawberry	4

Group B	
fruit	votes
apple	5
blueberries	6
orange	2
strawberry	7

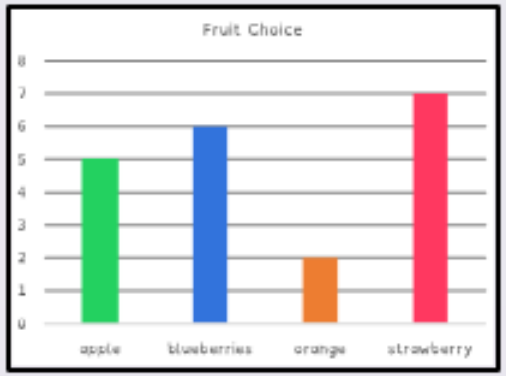
Group C	
fruit	votes
apple	5
blueberries	12
orange	3
strawberry	10

Group D	
fruit	votes
apple	4
blueberries	6
orange	7
strawberry	3



fruit	votes
apple	●●◔
blueberries	●◔
orange	●●
strawberry	●

fruit	votes
apple	●
blueberries	●▬
orange	●◔
strawberry	◔



ANSWER

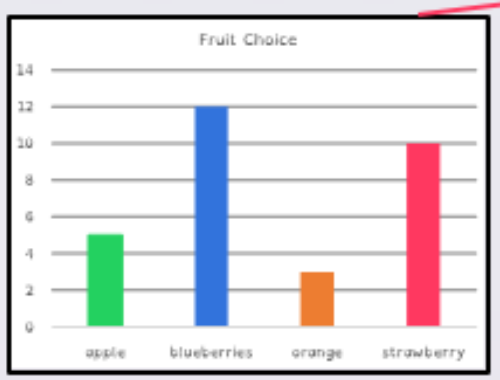
Key:
= 4 children

Group A	
fruit	votes
apple	11
blueberries	7
orange	8
strawberry	4

Group B	
fruit	votes
apple	5
blueberries	6
orange	2
strawberry	7

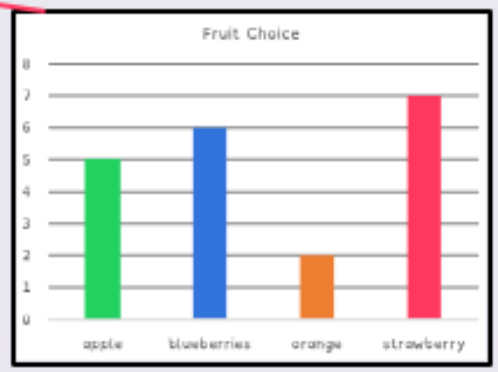
Group C	
fruit	votes
apple	5
blueberries	12
orange	3
strawberry	10

Group D	
fruit	votes
apple	4
blueberries	6
orange	7
strawberry	3

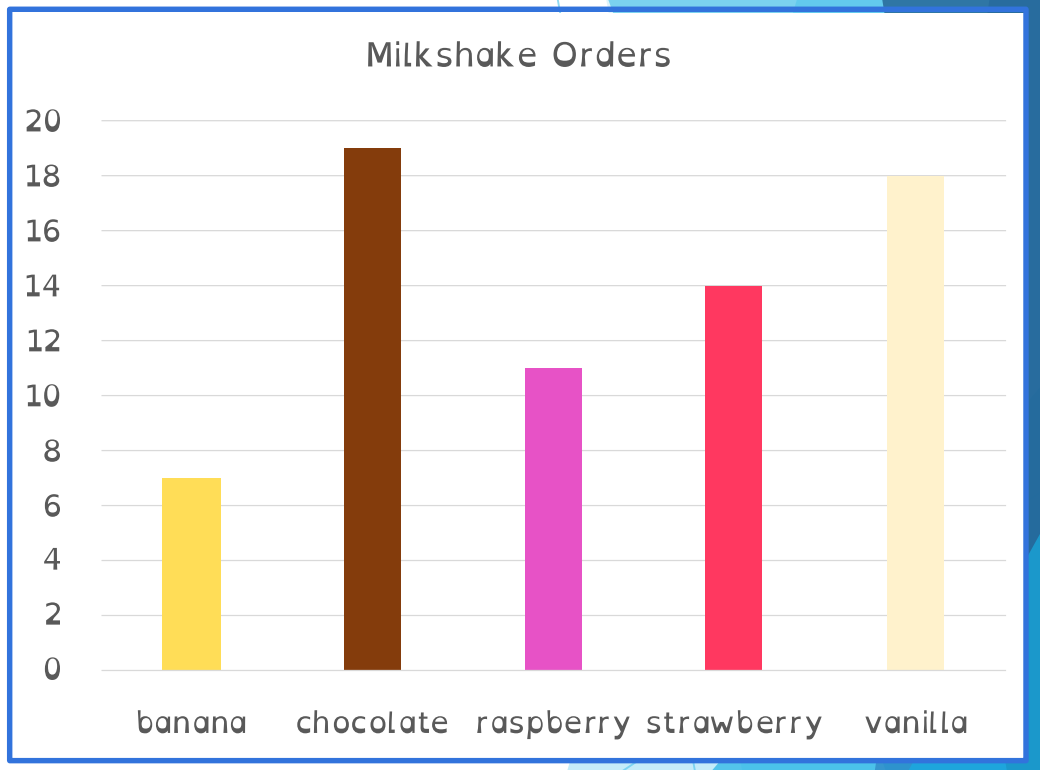


fruit	votes
apple	●●◔
blueberries	●◔
orange	●●
strawberry	●

fruit	votes
apple	●
blueberries	●◡
orange	●◔
strawberry	◔



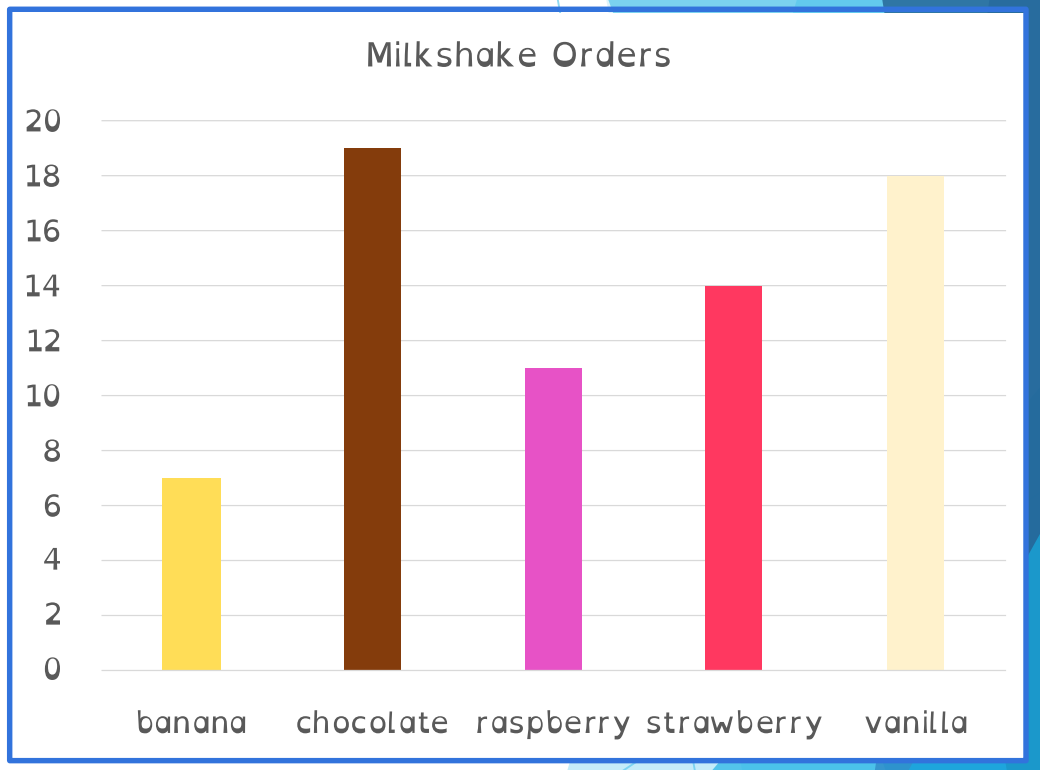
EVALUATION



Is Astrobee's statement true or false?

Explain your answer.

EVALUATION



Is Astrobee's statement true or false?

Explain your answer.

Astrobee's statement is false.
Vanilla is the second most popular (18 orders), chocolate had more, 19, orders.