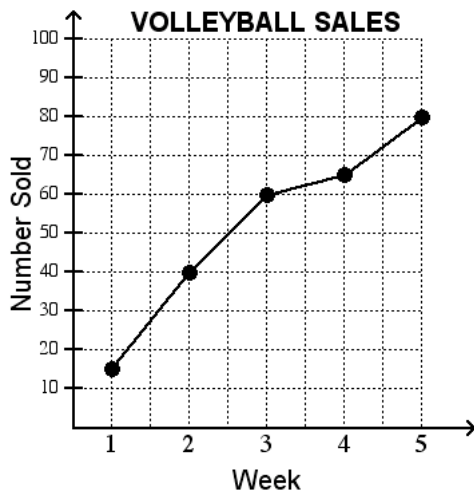


1. The results of a survey showed that 8 students prefer country music, 5 prefer jazz, and 16 prefer rock. What survey question would bring out this information?

- A. Who is your favorite singer?
- B. What is your favorite song?
- C. What is your opinion of music?
- D. What is your favorite type of music?

2. The graph below shows the sales of volleyballs over a 5-week period.



Which of the following is a true statement about the graph?

- A. The largest increase was between week 3 and week 4.
- B. The smallest increase was between week 3 and week 4.
- C. There was no increase between week 3 and week 4.
- D. The smallest decrease was between week 3 and week 4.

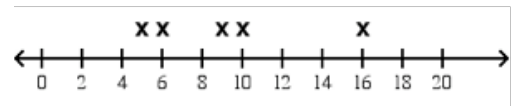
3. A band director surveyed her students to ask them their favorite instrument. The table shows the results of the survey.

FAVORITE INSTRUMENTS

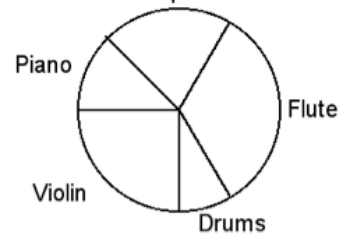
| Instrument | Drums | Flute | Piano | Trumpet | Violin |
|--------------------|-------|-------|-------|---------|--------|
| Number of Students | 5 | 16 | 10 | 6 | 9 |

Which is the most appropriate graph of the information in the table to show what **fraction** of the students chose each instrument?

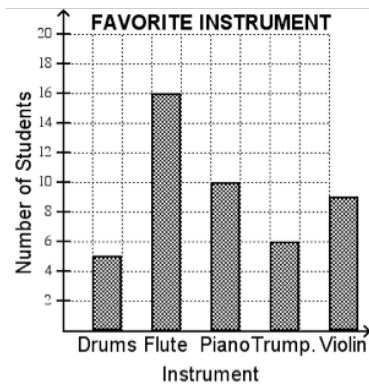
A. **Favorite Instrument**



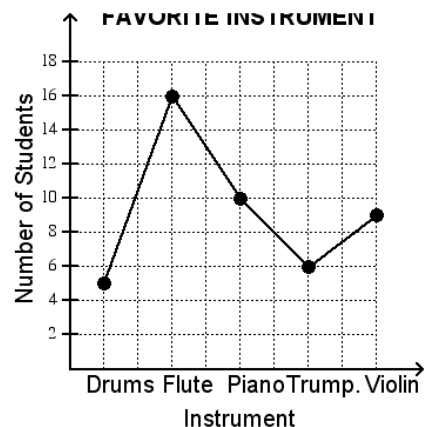
B. **FAVORITE INSTRUMENT**
Trump.



C. **FAVORITE INSTRUMENT**



D. **FAVORITE INSTRUMENT**



5th Grade Block 9 Assessment

4. Which data set has a range of 3?

- A. 1, 10, 6, 5, 9
- B. 2, 2, 8, 4, 9
- C. 6, 6, 3, 10, 4
- D. 4, 7, 7, 7, 5

5. A soccer team has 12 players. Their ages are 14, 15, 14, 14, 16, 15, 14, 15, 16, 16, 14, 15. What is the mode of this data set?

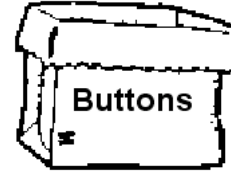
- A. 12
- B. 14
- C. 15
- D. 16

6. Each friend at Mac's birthday party wrote his name on a piece of paper and placed the paper in a hat. At the end of the party, Mac will draw one name without looking and give a prize to that friend. How many different outcomes are there?

| | | |
|------|-------|---------|
| Ryan | Ben | Arlen |
| Nate | Quinn | Charlie |
| Matt | | |

- A. 1
- B. 6
- C. 7
- D. 8

7. A bag has buttons inside: 3 green, 8 yellow, 7 orange, and 12 red. You cannot see inside the bag when you reach your hand in to get a button. What is the probability that Hector will reach into the bag and pick a red button?



- A. $\frac{4}{15}$
- B. $\frac{11}{30}$
- C. $\frac{3}{8}$
- D. $\frac{2}{5}$

8. Which survey question would provide **categorical** data?

- A. How many hours do you spend watching TV per week?
- B. What type of books do you prefer to read?
- C. What are the ages of your siblings?
- D. How many pieces of pizza do you usually eat?

5th Grade Block 9 Assessment

9. Roger needs to find the range of a data set. Which statement best describes how he should do this?

- A. Add the maximum and minimum values together.
- B. Multiply the maximum and minimum values together.
- C. Subtract the minimum value from the maximum value.
- D. Divide the maximum value by the minimum value.

10. Which choice shows two ways of expressing the probability of flipping a quarter and having it land on tails?

- A. 50% and 2 out of 2
- B. 50% and 1.5 out of 2
- C. 50% and 1 out of 1
- D. 50% and 1 out of 2

11. Nina received the following scores during a gymnastics meet. What was the mean of her scores?

| Judge 1 | Judge 2 | Judge 3 | Judge 4 |
|---------|---------|---------|---------|
| 10 | 8 | 8 | 10 |

- A. 9
- B. 8.5
- C. 10
- D. 9.5

5th Grade Block 9 Assessment

| | Answers | Core Correlation |
|-----------|----------------|-------------------------|
| 1 | D | 5.1.b |
| 2 | B | 5.1.a |
| 3 | B | 5.1.a |
| 4 | D | 5.1.c & d |
| 5 | B | 5.1.d |
| 6 | C | 5.2.a |
| 7 | D | 5.2.a |
| 8 | B | 5.1.b |
| 9 | C | 5.1.c |
| 10 | D | 5.2.c |
| 11 | A | 5.1.d |