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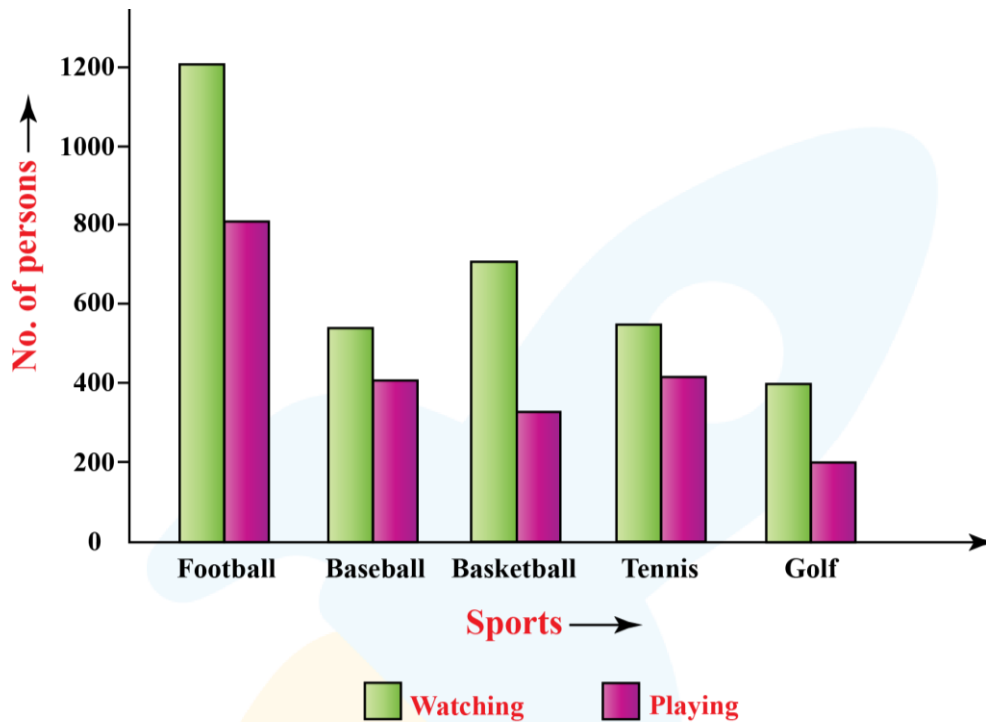
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## Bar Graph Worksheets Grade 7

Observe this bar graph which is showing the data collected from a survey of a city. Answer the following questions.



1. Which game has the highest viewers?
2. Which game has the least viewers?
3. Which sports team(s) has about 400 players?
4. How many basketball players are in the city?
5. How many football players are there in the city?
6. State true or false. Basketball has more watchers than Tennis.

The number of fruits in each type is shown below:

7. Represent the data on a bar graph.

| Types of Fruits | Number of Fruits |
|-----------------|------------------|
| Apples          | 5                |
| Mangoes         | 3                |
| Watermelons     | 2                |
| Strawberries    | 3                |
| Oranges         | 6                |

8. Find the ratio of oranges to strawberries.

9. Which fruit is least in number?

10. What is the difference in the number of mangoes and oranges?

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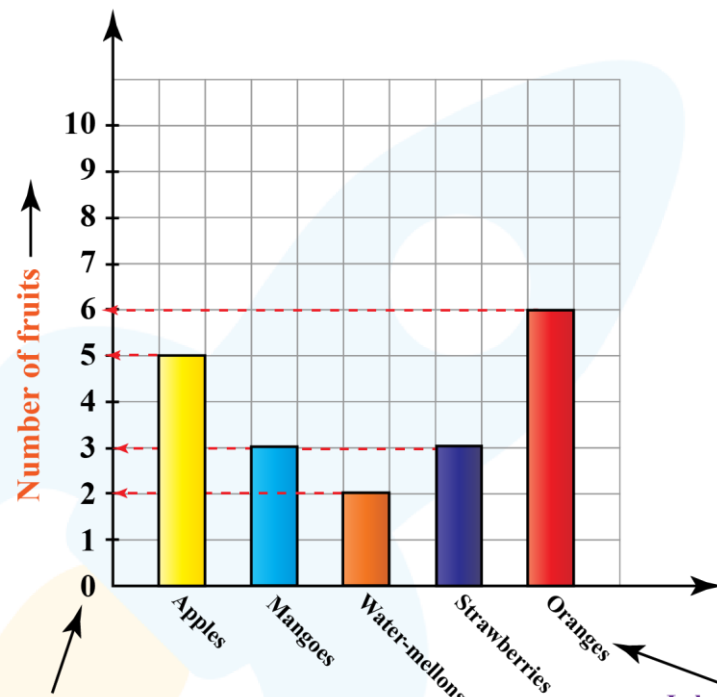
- Barbara Cabrera

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**ANSWERS**

| 1.              | Footb<br>all                      | 6.  | True                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                  |        |   |         |   |              |   |              |   |         |   |
|-----------------|-----------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|--------|---|---------|---|--------------|---|--------------|---|---------|---|
| 2.              | Golf                              | 7.  | <div><p style="text-align: right;">Title of bar graph</p><p style="text-align: center;"><b>Most bought fruit</b></p><p style="text-align: center;"><b>Number of fruits</b></p><p style="text-align: center;"><b>Types of fruits</b></p><p>Scale-numbers to show how many</p><p>Labels of categories to tell what each bar stands for</p><table><thead><tr><th>Types of fruits</th><th>Number of fruits</th></tr></thead><tbody><tr><td>Apples</td><td>5</td></tr><tr><td>Mangoes</td><td>3</td></tr><tr><td>Water-melons</td><td>2</td></tr><tr><td>Strawberries</td><td>3</td></tr><tr><td>Oranges</td><td>6</td></tr></tbody></table></div> | Types of fruits | Number of fruits | Apples | 5 | Mangoes | 3 | Water-melons | 2 | Strawberries | 3 | Oranges | 6 |
| Types of fruits | Number of fruits                  |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |        |   |         |   |              |   |              |   |         |   |
| Apples          | 5                                 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |        |   |         |   |              |   |              |   |         |   |
| Mangoes         | 3                                 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |        |   |         |   |              |   |              |   |         |   |
| Water-melons    | 2                                 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |        |   |         |   |              |   |              |   |         |   |
| Strawberries    | 3                                 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |        |   |         |   |              |   |              |   |         |   |
| Oranges         | 6                                 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                  |        |   |         |   |              |   |              |   |         |   |
| 3.              | Baseb<br>all<br>and<br>Tenni<br>s | 8.  | 2:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                  |        |   |         |   |              |   |              |   |         |   |
| 4.              | 800                               | 9.  | Watermelon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                  |        |   |         |   |              |   |              |   |         |   |
| 5.              | 190<br>cakes                      | 10. | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                  |        |   |         |   |              |   |              |   |         |   |

**FUN FACT**

1. If  $a$  is the first term of an AP,  $d$  is the common difference,  $n$  refers to the number of terms, then  $a_n$  refers to the general term of the arithmetic sequence given as:  $a_n = a + (n-1)d$
2. If we have the first term  $a$ , the last term  $a_n$ , the number of terms  $n$ , then we can find the sum to  $n$  terms by the following equation:  $S_n = \frac{n}{2}\{a + a_n\}$

