

Name _____

Making Predictions

Example #1

The table below shows the number of votes for students' favorite shapes.

| Shape | Number of Votes |
|----------|-----------------|
| Pentagon | 33 |
| Octagon | 37 |
| Hexagon | 13 |
| Square | 7 |

Based on the information in the table, what is the most reasonable prediction of the number of votes for pentagon out of the next 30 votes?

Example #2

Ethan pulled colored tiles from a bag. The table shows the number of times he selected each color.

| Color | Number of Draws |
|--------|-----------------|
| Red | 12 |
| Orange | 2 |
| Yellow | 6 |
| Green | 8 |
| Blue | 18 |
| Purple | 4 |

Based on the table, which statement about the next draw is **NOT** true?

- A He is twice as likely to pull out a red tile than a yellow tile.
- B He is more likely to pull out a green tile than a yellow tile.
- C He is three times more likely to pull out a blue tile than a green tile.
- D He is more likely to pull out a red tile than a green or orange tile.