## We Have a Winner! Larger Example

Below is a preference schedule giving the voter preferences in an election with five candidates, $A, B, C, D$, and $E$.

| Number of Voters | 18 | 12 | 10 | 9 | 4 | 2 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 1st choice | A | B | C | D | E | E |
| 2nd choice | D | E | B | C | B | C |
| 3rd choice | E | D | E | E | D | D |
| 4th choice | C | C | D | B | C | B |
| 5th choice | B | A | A | A | A | A |

1. What information is this table providing?
2. For each candidate, give a reasonable way of deciding the election that causes the chosen candidate to be declared the winner.
3. Who should win the election? Why?

## We Have a Winner! Smaller Example

Below is a preference schedule giving the voter preferences in an election with four candidates, $A, B, C$, and $D$.

| Number of Voters | 13 | 12 | 6 | 3 |
| :--- | :---: | :---: | :---: | :---: |
| 1st choice | B | D | A | D |
| 2nd choice | C | A | C | C |
| 3rd choice | A | C | B | B |
| 4th choice | D | B | D | A |

1. What information is this table providing?
2. For each candidate, give a reasonable way of deciding the election that causes the chosen candidate to be declared the winner.
3. Who should win the election? Why?
