

**Equations Worksheet 25**

Use a proportion to answer each question. Remember to show your work.

1. Five hundred (500) high school students were surveyed to determine their opinion on an open-campus policy. The results of the survey are shown in the table below. If there are 2000 students attending the school, what is the expected number of students who favor an open campus?

Student Survey

Favor	Oppose	No Opinion
190	250	60

2. The school newspaper surveyed 25 freshmen to get their opinion on a school dress code. If the freshman class has 400 students, how many students would vote against the issue?

Dress Code Survey

Support	Against	No Opinion
15	5	5

3. A newspaper surveyed 500 voters in a small town to determine public opinion on a new legislative bill. The results of the survey are shown in the table below. If there are 3000 voters in this town, what is the expected number of voters who oppose the bill?

Voter Survey

Favor	Oppose	No Opinion
220	235	45

4. Five hundred (500) high school students were surveyed to determine their opinion on an open-campus policy. The results of the survey are shown in the table below. If there are 2000 students attending the school, what is the expected number of students who oppose an open campus?

Student Survey

Favor	Oppose	No Opinion
190	250	60

5. The school newspaper surveyed 25 freshmen to get their opinion on a school dress code. If the freshman class has 400 students, how many students would vote in support of the issue?

Dress Code Survey

Support	Against	No Opinion
15	5	5

6. Five hundred (500) high school students were surveyed to determine their opinion on an open-campus policy. The results of the survey are shown in the table below. If there are 4000 students attending the school, what is the expected number of students who favor an open campus?

Student Survey

Favor	Oppose	No Opinion
190	250	60

7. The school newspaper surveyed 25 freshmen to get their opinion on a school dress code. If the freshman class has 500 students, how many students would vote against the issue?

Dress Code Survey

Support	Against	No Opinion
15	5	5

8. A newspaper surveyed 500 voters in a small town to determine public opinion on a new legislative bill. The results of the survey are shown in the table below. If there are 5000 voters in this town, what is the expected number of voters who oppose the bill?

Voter Survey

Favor	Oppose	No Opinion
220	235	45

9. Five hundred (500) high school students were surveyed to determine their opinion on an open-campus policy. The results of the survey are shown in the table below. If there are 3000 students attending the school, what is the expected number of students who oppose an open campus?

Student Survey

Favor	Oppose	No Opinion
190	250	60

10. The school newspaper surveyed 25 freshmen to get their opinion on a school dress code. If the freshman class has 300 students, how many students would vote no opinion on the issue?

Dress Code Survey

Support	Against	No Opinion
15	5	5

11. A newspaper surveyed 500 voters in a small town to determine public opinion on a new legislative bill. The results of the survey are shown in the table below. If there are 2500 voters in this town, what is the expected number of voters who favor the bill?

Voter Survey

Favor	Oppose	No Opinion
220	235	45