

# How to Interpret the Sample Survey Data

Print out the "Sample Survey (completed)"

## HOW TO FIND THE RATE OF RESPONSE:

The student who conducted this survey sent out 50 questionnaires: 50 people out of 50 responded. Find the Rate of Response:

ANSWER: **The # of Surveys Sent Out becomes the Denominator.**  
(Denominator: The bottom part of a common fraction that indicates the number of parts used to make up the whole).

**The # of People Who Responded becomes the Numerator**  
(Numerator: The top part of a common fraction that represents the number of parts of the whole that are being considered).

RULE: ANY TIME YOU WANT TO DETERMINE THE PERCENTAGE OF SOMETHING, THE NUMERATOR IS DIVIDED BY THE DENOMINATOR.

So, to determine the Rate of Response, divide the number of responses by the number of surveys sent:

$$\frac{50}{50} \quad 50 \text{ divided by } 50 = 1.00 \text{ (which represents 100 percent) SO the Rate of Response} = 100\%$$

*BUT, what if the student had not been so successful in getting everyone to respond to her survey? What would be the rate of response if only 36 people responded to the survey?*

$$\frac{36}{50} \quad 36 \text{ divided by } 50 = .72 \text{ (which represents that 72 out of 100 percent of the people responded) SO the Rate of Response} = 72\%$$

**HOW TO FACTOR THE EQUATIONS: (\*Use the Number of Responses as the Denominator)**  
**Or, how to turn the survey answers into quantifiable numbers you can use to create charts, graphs, etc.**

### 1. The first question wants to determine the age brackets of the respondents.

Answer 1A: 19 people who responded to the survey are between 18-25 years old.

$$\frac{19}{50} \quad 19 \text{ divided by } 50 = .38 \text{ or } 38\%$$

*BUT, again – just to illustrate the point, what if the Number of Responses was 9 instead of 19:*

$$\frac{9}{36} \quad 9 \text{ divided by } 36 = .25 \text{ or } 25\% \text{ (round to the second decimal point)}$$

Answer 1B: 18 people who responded to the survey are between 26-35 years old.

$$\frac{18}{50} \quad 18 \text{ divided by } 50 = .36 \text{ or } 36\%$$

Answer 1C: 8 people who responded to the survey are between 36-45 years old.

$$\frac{8}{50} \quad 8 \text{ divided by } 50 = .16 \text{ or } 16\%$$

Answer 1D: 5 people who responded to the survey are 46 years old or older.

$$\frac{5}{50} \quad 5 \text{ divided by } 50 = .10 \text{ or } 10\%$$

FYI: To double check your answers for accuracy, add the percentage numbers up. If the percentages are accurate, they will add up to 100%.

*Example:  $38 + 36 + 16 + 10 = 100$*

**2. The second question wants to determine the gender of the respondents.**

Answer 2A: 32 people who responded to the survey are female.

$$\frac{32}{50} \quad 32 \text{ divided by } 50 = .64 \text{ or } 64\%$$

Answer 2B: 18 people who responded to the survey are male.

$$\frac{18}{50} \quad 18 \text{ divided by } 50 = .36 \text{ or } 36\%$$

**3. The third question wants to determine where the respondents learned about sex.**

Answer 3A: 16 people who responded to the survey said they learned about sex at home.

$$\frac{16}{50} \quad 16 \text{ divided by } 50 = .32 \text{ or } 32\%$$

Answer 3B: 20 people who responded to the survey said they learned about sex at school.

$$\frac{20}{50} \quad 20 \text{ divided by } 50 = .40 \text{ or } 40\%$$

Answer 3C: 24 people who responded to the survey said they learned about sex on the street.

$$\frac{24}{50} \quad 24 \text{ divided by } 50 = .48 \text{ or } 48\%$$

**4. The fourth question wants to determine how many of the respondents had a sex education class.**

Answer 4A: 34 people who responded to the survey said “yes,” they did have a sex ed. class.

$$\frac{34}{50} \quad 34 \text{ divided by } 50 = .68 \text{ or } 68\%$$

Answer 4B: 16 people who responded to the survey said “no,” they did not have a sex ed. class.

$$\frac{16}{50} \quad 16 \text{ divided by } 50 = .32 \text{ or } 32\%$$

**5. The fifth question wants to determine how many of the respondents’ parents talked to them about sex.**

Answer 5A: 32 people who responded to the survey said “yes,” their parents did speak to them.

$$\frac{32}{50} \quad 32 \text{ divided by } 50 = .64 \text{ or } 64\%$$

Answer 5B: 18 people who responded to the survey said “no,” their parents did not speak to them.

$$\frac{18}{50} \quad 18 \text{ divided by } 50 = .36 \text{ or } 36\%$$

**6. The sixth question wants to determine how many of the respondents had sexual experience prior to marriage.**

Answer 6A: 46 people who responded to the survey said that they did have sex prior to marriage.

$$\frac{46}{50} \quad 46 \text{ divided by } 50 = .92 \text{ or } 92\%$$

Answer 6B: 2 people who responded to the survey said that they did not have sex prior to marriage.

$$\frac{2}{50} \quad 2 \text{ divided by } 50 = .04 \text{ or } 4\%$$

Answer 6C: 2 people who responded to the survey said that they have never had sex.

$$\frac{2}{50} \quad 2 \text{ divided by } 50 = .04 \text{ or } 4\%$$

**7. The seventh question wants to determine what age bracket the respondents were in when they first had sex.**

Answer 7A: 21 of the people who responded to the survey were under 18.

$$\frac{21}{50} \quad 21 \text{ divided by } 50 = .42 \text{ or } 42\%$$

Answer 7B: 24 of the people who responded to the survey were between the age of 18-25.

$$\frac{24}{50} \quad 24 \text{ divided by } 50 = .48 \text{ or } 48\%$$

Answer 7C: 1 of the respondents was between the age of 26-35.

$$\frac{1}{50} \quad 1 \text{ divided by } 50 = .02 \text{ or } 2\%$$

Answer 7D: 1 of the respondents was between the age of 36-45.

$$\frac{1}{50} \quad 1 \text{ divided by } 50 = .02 \text{ or } 2\%$$

Answer 7E: 1 of the respondents was 46 years or older.

$$\frac{1}{50} \quad 1 \text{ divided by } 50 = .02 \text{ or } 2\%$$

Answer 7F: 2 of the respondents said that they had never had sex.

$$\frac{2}{50} \quad 2 \text{ divided by } 50 = .04 \text{ or } 4\%$$

**8. The eighth question wants to determine if respondents felt peer pressured to become sexually active.**

Answer 8A: 8 of the respondents answered “yes,” they did feel peer pressure.

$$\frac{8}{50} \quad 8 \text{ divided by } 50 = .16 \text{ or } 16\%$$

Answer 8B: 42 of the respondents answered “no,” they did not feel peer pressure.

$$\frac{42}{50} \quad 42 \text{ divided by } 50 = .84 \text{ or } 84\%$$

**9. The ninth question wants to determine how the respondents felt about sex education being taught in school.**

Answer 9A: All 50 of the respondents felt sex education should be taught in school.

$$\frac{50}{50}$$

50      50 divided by 50 = 1.00 or 100%

**10. The tenth question wants to determine what type of sex education topics should be taught in school.**

Answer 10A: 25 respondents felt that the topic of pregnancy should be addressed.

$\frac{25}{50}$       25 divided by 50 = .50 or 50%

Answer 10B: 19 respondents felt that the topic of abortion should be addressed.

$\frac{19}{50}$       19 divided by 50 = .38 or 38%

Answer 10C: 18 respondents felt that the topic of contraception should be addressed.

$\frac{18}{50}$       18 divided by 50 = .36 or 36%

Answer 10D: 7 respondents felt that the topic of “The Day After Pill” should be addressed.

$\frac{7}{50}$       7 divided by 50 = .14 or 14%

Answer 10E: 22 respondents felt the topic of abstinence should be addressed.

$\frac{22}{50}$       22 divided by 50 = .44 or 44%

Answer 10F: 12 respondents felt the topic of homosexuality should be addressed.

$\frac{12}{50}$       12 divided by 50 = .24 or 24%

Answer 10G: 32 respondents felt the topic of HIV/AIDS should be addressed.

$\frac{32}{50}$       32 divided by 50 = .64 or 64%

Answer 10H: 30 respondents felt the topic of sexually-transmitted diseases should be addressed.

$\frac{30}{50}$       30 divided by 50 = .60 or 60%

**11. The eleventh question wants to determine who is responsible for teaching children about sex.**

Answer 11A: 11 respondents felt the parents are responsible.

$\frac{11}{50}$       11 divided by 50 = .22 or 22%

Answer 11B: 39 respondents felt that both the parents and the school is responsible.

$\frac{39}{50}$       39 divided by 50 = .78 or 78%