

Use the two-way table to answer the following questions.

1. What percent of females are brown-eyed?

2. What percent of brown-eyed students are female?

3. What percent of students are brown eyed females?

4. What's the distribution of Eye color?

Blue: _____

Brown: _____

Green/Hazel/Other: _____

GENDER AND EYE COLOR



* A statistics class reports the following data on gender and eye color for students in the class:

| | EYE COLOR | | | |
|--------|-----------|-------|-------------------|-------|
| | Blue | Brown | Green/Hazel/Other | Total |
| MALE | 6 | 20 | 6 | 32 |
| FEMALE | 4 | 16 | 12 | 32 |
| TOTAL | 10 | 36 | 18 | 64 |

5. What's the probability that you have blue eyes if you are male? _____ Brown if you're male? _____

Green if you're male? _____

6. Compare the percent who are female among the blue-eyed students to the percent of all students who are female.

RESULTS: ARE GENDER AND EYE COLOR RELATED?



Does it seem that Eye color and Gender are related? Explain

| %s | Male: | Female: |
|--------|-------|---------|
| Blue: | ____% | ____% |
| Brown: | ____% | ____% |
| Other: | ____% | ____% |