Name: _____

Relative Frequency in Two-Way Tables

Find each relative frequency as a fraction in simplest form.

1. In a survey, 15 boys and 19 girls like soccer, while 35 boys and 20 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

2. In a survey, 25 boys and 36 girls like soccer, while 36 boys and 11 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

3. In a survey, 35 boys and 18 girls like soccer, while 23 boys and 25 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

4. In a survey, 26 boys and 11 girls like soccer, while 19 boys and 18 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

5. In a survey, 40 boys and 22 girls like soccer, while 25 boys and 10 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

6. In a survey, 15 boys and 31 girls like soccer, while 33 boys and 21 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

7. In a survey, 12 boys and 18 girls like soccer, while 40 boys and 11 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

8. In a survey, 29 boys and 10 girls like soccer, while 31 boys and 14 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

9. In a survey, 32 boys and 28 girls like soccer, while 35 boys and 12 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: _____

10. In a survey, 23 boys and 10 girls like soccer, while 39 boys and 38 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

    Answer: _____

Name: **ANSWER KEY**

Relative Frequency in Two-Way Tables

Find each relative frequency as a fraction in simplest form.

1. In a survey, 15 boys and 19 girls like soccer, while 35 boys and 20 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{3}{10}$ girls: $\frac{19}{34}$

2. In a survey, 25 boys and 36 girls like soccer, while 36 boys and 11 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{25}{61}$ girls: $\frac{36}{61}$

3. In a survey, 35 boys and 18 girls like soccer, while 23 boys and 25 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{35}{58}$ girls: $\frac{18}{53}$

4. In a survey, 26 boys and 11 girls like soccer, while 19 boys and 18 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{26}{45}$ girls: $\frac{11}{37}$

5. In a survey, 40 boys and 22 girls like soccer, while 25 boys and 10 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{8}{13}$ girls: $\frac{11}{31}$

6. In a survey, 15 boys and 31 girls like soccer, while 33 boys and 21 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{5}{16}$ girls: $\frac{31}{46}$

7. In a survey, 12 boys and 18 girls like soccer, while 40 boys and 11 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{3}{13}$ girls: $\frac{3}{5}$

8. In a survey, 29 boys and 10 girls like soccer, while 31 boys and 14 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{29}{60}$ girls: $\frac{10}{39}$

9. In a survey, 32 boys and 28 girls like soccer, while 35 boys and 12 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

   Answer: boys: $\frac{32}{67}$ girls: $\frac{7}{15}$

10. In a survey, 23 boys and 10 girls like soccer, while 39 boys and 38 girls like basketball. What fraction of the boys like soccer? What fraction of soccer fans are girls?

    Answer: boys: $\frac{23}{62}$ girls: $\frac{10}{33}$