Unit Five Review
Fractions, Decimals, and Percents

Name: KEY

[1] 0.625; 62.5%

[2] $\frac{1}{2}, \frac{3}{7}, \frac{5}{13}, \frac{2}{15}$

[3] $3\frac{1}{4}$

[4] $\frac{19}{12}$

[5] Answers may vary. Sample answers: $\frac{2}{20}, \frac{3}{30}, \frac{4}{40}$

[6] Answers may vary. Sample answers: $\frac{1}{2}, \frac{3}{6}$

[7] Answers may vary. Sample answers: $\frac{2}{18}, \frac{3}{27}, \frac{4}{36}$

[8] Answers may vary. Sample answers: $\frac{4}{52}, \frac{6}{78}, \frac{8}{104}$

[9] $\frac{23}{5}$

[10] Mixed number: $1\frac{1}{2}$

Fraction: $\frac{3}{2}$

Mixed number: $1\frac{1}{2}$

[11] Fraction: $\frac{6}{4}$

[12] $\frac{1}{4}+\frac{3}{4}=\frac{4}{4}$ or 1

[13] $\frac{1}{4}+\frac{3}{8}=\frac{5}{8}$

[14] $\frac{1}{2}+\frac{3}{4}=\frac{5}{4}$ or $1\frac{1}{4}$

[15] >

[16] <

[17] >

[18] <

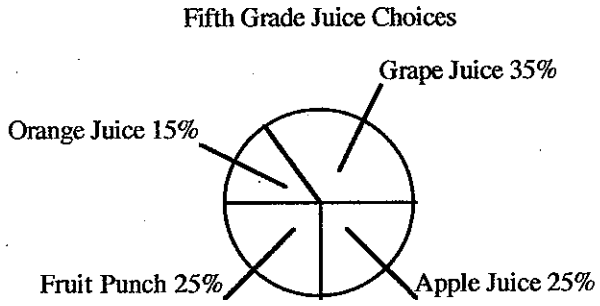
[19] <

[20] 50%; $\frac{1}{2}\times 100\%$ equals 50%

[21] Estimates vary; Actual percent: 24%

[22] Answers may vary.

a. Sample answer:



b. 13 students
c. 8 students
[23] d. 28 students

Sample answer: A: $\frac{2}{16}$, B: $\frac{2}{16}$, C: $\frac{3}{16}$, D: $\frac{1}{16}$, E: $\frac{1}{16}$, F: $\frac{2}{16}$, G: $\frac{2}{16}$, H: $\frac{1}{16}$, I: $\frac{1}{16}$, J: $\frac{1}{16}$. $\frac{2}{16}+\frac{2}{16}+\frac{3}{16}+\frac{1}{16}+\frac{1}{16}+\frac{2}{16}+\frac{2}{16}+\frac{1}{16}+\frac{1}{16}+\frac{1}{16}=\frac{16}{16}=1$. I found the fraction for G by dividing G into a triangle part and a square part. The square part is the same size as H and the triangle part is the same size as E, so the fraction for G is $\frac{1}{16}+\frac{1}{16}=\frac{2}{16}$. A, B, C, D, E,

[24] and H are worth about $\frac{2}{3}$. A, B, C, D, E, and H together are worth $\frac{10}{16}$, and $\frac{10}{16}$ is about $\frac{2}{3}$.