

4-3 Charts and Graphs

a) Food: $\frac{550 + 600 + 475 + 475 + 500}{5} = \underline{\$520}$

b) April Housing \$500
Transportation 350
\$150

c) Food total: \$2600 what percent of 7000 is 2600?
Total spent: \$7000
 $x \cdot \frac{7000}{7000} = \frac{2600}{7000}$ $x = 0.3714$
37%

d) 75% of December is March $0.75x = 550$
75% of $x = 550$ $x = \$412.50$

e) mode: 2000 range: $2500 - 1500 = 1000$

mean: $\frac{4 \cdot 2000 + 3 \cdot 2500 + 3 \cdot 1750 + 2 \cdot 1500}{12} = 1979$

median: 2500

f) Range: about $510 - 300 = 210$

g) $\frac{4 \cdot 2000 + 3 \cdot 2500 + 3 \cdot 1750 + 2 \cdot 1500 + 2x}{14} = 1750$

$$\frac{23750 + 2x}{14} = 1750$$

$$23750 + 2x = 24500$$

$$2x = 750$$

$$x = 375$$

375 cal.
Way to hungry!

h) varies

