11/21 6.1 Fraction Estimation

① Rounding Fractions

↳ compare the numerator & denominator

$\frac{1}{8} \approx 0$ because 1 is much smaller than 8

$\frac{5}{9} \approx \frac{1}{2}$ because 5 is about half of 9.

$\frac{6}{7} \approx 1$ because 6 is almost as great as 7

② Rounding Mixed Numbers

↳ Round to the nearest whole #

If this fraction is greater than $\frac{1}{2}$ then the whole # stays the same

$4\frac{1}{3} \approx 4$ because $\frac{1}{3}$ is less than $\frac{1}{2}$.

$5\frac{3}{4} \approx 6$ because $\frac{3}{4}$ is greater than $\frac{1}{2}$

$\frac{1}{3} < \frac{1}{2}$

greater than $\frac{1}{2}$, whole # increases by 1

$\frac{1}{3} \times \frac{2}{2} = \frac{2}{6} < \frac{3}{6}$

p. 267 #s 1-4: 2 min.

① ≈ 0

② ≈ 1 $\frac{3}{7}$ $\frac{1}{2}$

③ ≈ 3

④ ≈ 5 $5\frac{3}{7}$

③ Estimating a Difference

P. 268

$$6\frac{1}{4} - 1\frac{5}{6}$$

① Estimate / Round

$6\frac{1}{4} \approx 6$ $\quad 6 - 2 = 4$

$1\frac{5}{6} \approx 2$

② Subtract

④ Estimating a Sum

$\frac{1}{5} + \frac{7}{8}$

$\frac{1}{2} + 1 = 1\frac{1}{2}$ yards of ribbon

$1\frac{5}{6} + 2\frac{1}{2}$

$2 + 3 = 5$

① Estimate/Round

② Add

p. 268 #5 5-7: 1 min.

5) 2

6) $\frac{1}{2}$

7) 0

In Class:

p. 269 #s 2-10 even
& 11-14, 19-22,
27 & 28 all

HW: WS 6.1 p. 75
1-18 all