8/15 Algebra I Downing

1.0 A Multiply + Divide Fractions Student Survey

Ex) Simplify

1) $\frac{6 \div 2}{10 \div 2} = \boxed{\frac{3}{5}}$ 2) $\frac{4 \div 4}{12 \div 4} = \boxed{\frac{1}{3}}$ 3) $\frac{6}{10} \rightarrow \frac{3 \cdot 2}{5 \cdot 2} = \boxed{\frac{3}{5}}$

Multiply

1) $\frac{4}{8} \cdot \frac{2}{3} = \frac{4 \div 4}{12 \div 4} = \boxed{\frac{1}{3}}$ 2) $\frac{3}{1} \cdot \frac{3}{4} = \boxed{\frac{9}{2}}$

3) $\frac{2}{5} \cdot 2\frac{3}{4} \rightarrow \frac{2}{5} \cdot \frac{11}{4} = \boxed{\frac{11}{10}}$

8/16 Bellwork

1) $\frac{9 \div 3}{21 \div 3} = \boxed{\frac{3}{7}}$ 2) $\frac{3}{9} \times 3\frac{3}{4}$ $\frac{1}{3} \times \frac{15}{4} = \frac{5}{4}$ 3) $\frac{3}{1} \times \frac{3}{4} = \boxed{\frac{9}{2}}$

4) $2\frac{4}{6} \times \frac{6}{5}$

$\frac{16}{6} \times \frac{6}{5} = \boxed{\frac{16}{5}}$

Divide

1) $\frac{3}{9} \div 3\frac{3}{4}$

$\frac{1}{3} \div \frac{15}{4}$ Keep, Change, Flip

$\frac{1}{3} \times \frac{4}{15} = \boxed{\frac{4}{45}}$

2) $5\frac{7}{10} \div 2$

$\frac{57}{10} \div \frac{2}{1}$

$\frac{57}{10} \times \frac{1}{2} = \boxed{\frac{57}{20}}$

3) $4\frac{8}{3} \div 3\frac{7}{5}$

$\frac{20}{3} \div \frac{22}{5}$

$\frac{20}{3} \times \frac{5}{22} = \boxed{\frac{50}{33}}$

Go over Syllabus → add Mrs. Hornbeck cara.hornbeck@raypec.org Ext. 2212

8/16 (cont)

1.0 B - Add / Subtract Fractions ★ Need common denominator

① $\frac{4}{8} + \frac{2}{3}$ $(\frac{3}{3})$ $(\frac{8}{8})$

$\downarrow$

$\frac{12}{24} + \frac{16}{24} = \frac{28}{24} \div 4 = \boxed{\frac{7}{6}}$

② $\frac{2}{5} - 2\frac{3}{4}$

$(\frac{4}{4})$ $\frac{2}{5} - \frac{11}{4} \cdot (\frac{5}{5})$

$\frac{8}{20} - \frac{55}{20} = \boxed{-\frac{47}{20}}$

HW - WS 1.0B Operations w/ Fractions

ODDs only