

1/5 | 12 7.5 Dividing Mixed #s

To Divide a Mixed Number:

- ① Switch mixed number to an improper fraction
- ② Flip the second fraction & change the function from a quotient to a product (cross cancel or reduce)
- ③ Multiply numerator & denominator across
- ④ Simplify!

P. 339

EX 1

a.

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

$$\frac{10}{3} \div \frac{2}{3}$$

$$\overset{5}{\cancel{10}} \overset{1}{\cancel{3}} \times \frac{\cancel{3}^1}{\cancel{2}_1} = \frac{5}{1} \times \frac{1}{1} =$$

$$\frac{5}{1} = 5$$

$$b. \quad 2\frac{5}{8} \div 6$$

$$\frac{21}{8} \div \frac{6}{1}$$

$$\frac{7\cancel{21}}{8} \times \frac{1}{\cancel{6}_2} = \frac{7}{16}$$

p. 340 #s 1-5

$$\textcircled{1} \quad 9\frac{1}{6} \div 5 = 1\frac{5}{6}$$

$$\textcircled{2} \quad 6\frac{2}{3} \div \frac{8}{9} = 7\frac{1}{2}$$

$$\textcircled{3} \quad \frac{7}{8} \div 3\frac{1}{4} = \frac{7}{26}$$

$$\textcircled{4} \quad 12\frac{1}{2} \div 3\frac{3}{4} = 3\frac{1}{3}$$

$$\textcircled{5} \quad \# 3 \quad \left(\frac{7}{26}\right)$$

In Class:

p. 341 #s 2-6, 10-23

HW: WS 7.5 p. 95-96
#s 2-17 all

