

3.7 Dividing Mixed Numbers

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ex(1):

$$2\frac{3}{4} \div 1\frac{2}{3}$$

$$= \frac{11}{4} \div \frac{5}{3}$$

$$= \frac{11}{4} \times \frac{3}{5}$$

$$= \frac{33}{20}$$

$$= 1\frac{13}{20}$$

① change mixed #'s to improper fractions

② multiply by the reciprocal, or keep change change KCC

ex(2)

$$4\frac{1}{2} \div 3\frac{3}{5}$$

$$= \frac{9}{2} \div \frac{18}{5}$$

$$= \frac{\cancel{9}}{2} \times \frac{5}{\cancel{18} \div 2}$$

$$= \frac{5}{4}$$

$$= 1\frac{1}{4}$$

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