$$\frac{\cancel{2}\cdot 2\cdot \cancel{3}\cdot \cancel{5}}{\cancel{2}\cdot \cancel{3}\cdot 3\cdot \cancel{5}} = \frac{2}{3}$$

grouping common factors

$$\frac{2\cdot 2\cdot \cancel{2}\cdot \cancel{3}\cdot \cancel{5}}{\cancel{2}\cdot \cancel{3}\cdot \cancel{3}\cdot \cancel{3}\cdot \cancel{5}} = \frac{2\cdot 2}{3\cdot 3} = \frac{4}{9}$$

÷ fractions

Keep - Change - Flip

$$\frac{1}{2} \div \frac{7}{9} = \frac{1}{2} \times \frac{9}{7} = \frac{9}{14}$$

$$\frac{7}{9} \div \frac{1}{2} = \frac{7}{9} \times \frac{2}{1} = \frac{14}{9} = 1\frac{5}{9}$$

Common denominators

LCM → LCD

$\frac{2}{5} \times\frac{3}{3} + \frac{1}{3} \times\frac{5}{5}$ 5, 10, 15

$\frac{9}{15} + \frac{5}{15} = \frac{14}{15}$

$\frac{2}{7} \times\frac{3}{3} \quad \frac{1}{3} \times\frac{7}{7}$ 7, 14, 21

$\frac{9}{21} - \frac{7}{21} = \frac{2}{21}$

L56 practice set a-i

#1-7, 11, 12, 18, 21, 28

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