Order of Operations with Fractions (A)

Name: _____

Simplify each expression using the correct order of operations.

$\dfrac{1}{4} \times \dfrac{5}{6} - \dfrac{1}{6}$

$\dfrac{3}{5} \div \dfrac{5}{6} + \dfrac{1}{5}$

$\left(\dfrac{2}{5} + \dfrac{8}{9}\right) \times \dfrac{1}{2}$

$\dfrac{7}{9} + \dfrac{4}{5} \times \dfrac{4}{9}$

$\dfrac{4}{5} - \dfrac{3}{5} \div \dfrac{5}{6}$

$\dfrac{3}{5} \times \left(\dfrac{1}{2} + \dfrac{2}{9}\right)$

$\left(\dfrac{5}{6} + \dfrac{2}{5}\right) \div \dfrac{3}{4}$

$\dfrac{5}{8} \times \dfrac{2}{9} + \dfrac{1}{2}$

$\dfrac{3}{5} + \dfrac{3}{4} \div \dfrac{1}{6}$

Order of Operations with Fractions (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$\dfrac{1}{4} \times \dfrac{5}{6} - \dfrac{1}{6}$

$= \dfrac{5}{24} - \dfrac{1}{6}$

$= \dfrac{1}{24}$

$\dfrac{3}{5} \div \dfrac{5}{6} + \dfrac{1}{5}$

$= \dfrac{18}{25} + \dfrac{1}{5}$

$= \dfrac{23}{25}$

$\left(\dfrac{2}{5} + \dfrac{8}{9}\right) \times \dfrac{1}{2}$

$= \dfrac{58}{45} \times \dfrac{1}{2}$

$= \dfrac{29}{45}$

$\dfrac{7}{9} + \dfrac{4}{5} \times \dfrac{4}{9}$

$= \dfrac{7}{9} + \dfrac{16}{45}$

$= \dfrac{17}{15}$

$= 1\dfrac{2}{15}$

$\dfrac{4}{5} - \dfrac{3}{5} \div \dfrac{5}{6}$

$= \dfrac{4}{5} - \dfrac{18}{25}$

$= \dfrac{2}{25}$

$\dfrac{3}{5} \times \left(\dfrac{1}{2} + \dfrac{2}{9}\right)$

$= \dfrac{3}{5} \times \dfrac{13}{18}$

$= \dfrac{13}{30}$

$\left(\dfrac{5}{6} + \dfrac{2}{5}\right) \div \dfrac{3}{4}$

$= \dfrac{37}{30} \div \dfrac{3}{4}$

$= \dfrac{74}{45}$

$= 1\dfrac{29}{45}$

$\dfrac{5}{8} \times \dfrac{2}{9} + \dfrac{1}{2}$

$= \dfrac{5}{36} + \dfrac{1}{2}$

$= \dfrac{23}{36}$

$\dfrac{3}{5} + \dfrac{3}{4} \div \dfrac{1}{6}$

$= \dfrac{3}{5} + \dfrac{9}{2}$

$= \dfrac{51}{10}$

$= 5\dfrac{1}{10}$