

Adding and Subtracting Fractions without mixed numbers QUIZ Name

KEY

Add or subtract each fraction and reduce your answer to lowest terms

$$1) \frac{4}{5} - \frac{2}{7} = \frac{7}{7} \cdot \frac{4}{5} - \frac{2}{7} \cdot \frac{5}{5} = \frac{28}{35} - \frac{10}{35} = \boxed{\frac{18}{35}}$$

$$2) \frac{3}{11} + \frac{2}{5} = \frac{5}{5} \cdot \frac{3}{11} + \frac{2}{5} \cdot \frac{11}{11} = \frac{15}{55} + \frac{22}{55} = \boxed{\frac{37}{55}}$$

$$3) \frac{10}{13} - \frac{1}{39} = \frac{3}{3} \cdot \frac{10}{13} - \frac{1}{39} = \frac{30}{39} - \frac{1}{39} = \boxed{\frac{29}{39}}$$

$$4) \frac{8}{9} - \frac{1}{4} = \frac{4}{4} \cdot \frac{8}{9} - \frac{1}{4} \cdot \frac{9}{9} = \frac{32}{36} - \frac{9}{36} = \boxed{\frac{23}{36}}$$

$$5) \frac{9}{10} + \frac{1}{15} = \frac{3}{3} \cdot \frac{9}{10} + \frac{1}{15} \cdot \frac{2}{2} = \frac{27}{30} + \frac{2}{30} = \boxed{\frac{29}{30}}$$