

Dividing Fractions and Mixed Numbers

$$1) \frac{3}{11} \div \frac{21}{22} = \frac{\overset{1}{3}}{\underset{1}{11}} \cdot \frac{\overset{2}{22}}{\underset{7}{21}} = \boxed{\frac{2}{7}}$$

$$2) 8 \div \frac{3}{4} = \frac{8}{1} \cdot \frac{4}{3} = \frac{32}{3} = \boxed{10 \frac{2}{3}}$$

$$3) \frac{2}{15} \div 4 = \frac{2}{15} \div \frac{4}{1} = \frac{\overset{1}{2}}{\underset{2}{15}} \cdot \frac{1}{4} = \boxed{\frac{1}{30}}$$

$$4) 7 \frac{1}{3} \div 1 \frac{1}{6}$$

$$\frac{22}{3} \div \frac{7}{6} = \frac{22}{\underset{1}{3}} \cdot \frac{\overset{2}{6}}{7} = \frac{44}{7} = \boxed{6 \frac{2}{7}}$$