

Practice :

$$1. \quad \frac{3}{8} \cdot \frac{20}{27} = \frac{5}{18}$$

$\frac{3}{8} = \frac{3 \cdot 2 \cdot 2}{2 \cdot 2 \cdot 2 \cdot 2}$
 $\frac{20}{27} = \frac{2 \cdot 2 \cdot 5}{3 \cdot 3 \cdot 3}$
 $\frac{60}{216}$

$$2. \quad \frac{3}{8} \cdot \frac{20}{27} = \frac{5}{18}$$

$\frac{3}{8} = \frac{3 \cdot 2 \cdot 2}{2 \cdot 2 \cdot 2 \cdot 2}$
 $\frac{20}{27} = \frac{2 \cdot 2 \cdot 5}{3 \cdot 3 \cdot 3}$
 $\frac{5}{18}$

$$2. \quad 5 \frac{1}{4} \cdot 3 \frac{5}{21} = 17$$

$5 \frac{1}{4} = \frac{21 \cdot 5 + 1}{21} = \frac{106}{21}$
 $3 \frac{5}{21} = \frac{21 \cdot 3 + 5}{21} = \frac{68}{21}$
 $\frac{106}{21} \cdot \frac{68}{21} = \frac{7208}{441}$

$$3. \quad 6 \frac{2}{3} \div 4 \frac{7}{20} = 28 \frac{2}{3}$$

$6 \frac{2}{3} = \frac{20 \cdot 6 + 2}{3} = \frac{122}{3}$
 $4 \frac{7}{20} = \frac{20 \cdot 4 + 7}{20} = \frac{87}{20}$

$$\frac{122}{3} \cdot \frac{20}{87} = \frac{2440}{261}$$

$$= \frac{400}{261} = 1 \frac{139}{261}$$

Practice :

$$1. \quad \frac{\cancel{3}}{8} \cdot \frac{\overset{5 \cdot 4}{\cancel{20}}}{\cancel{27} \cdot 9}$$

$$\frac{60}{216} = \frac{30}{108} = \frac{15}{54} = \frac{5}{18}$$

$$\frac{\overset{1}{\cancel{3}}}{\cancel{8} \cdot 2} \cdot \frac{\overset{20}{\cancel{27}} \cdot 5}{\cancel{27}} = \frac{5}{18}$$

$$\frac{3}{8} \cdot \frac{\overset{4 \cdot 5}{\cancel{20}}}{27} = \frac{\cancel{3} \cdot \cancel{2} \cdot \cancel{2} \cdot 5}{\cancel{2} \cdot \cancel{2} \cdot 3 \cdot 3 \cdot 3} = \frac{5}{18}$$

$$2. \quad \overset{20}{5} \frac{1}{4} \cdot \overset{63}{3} \frac{5}{21}$$

$$\frac{\cancel{21}}{4} \cdot \frac{\overset{2 \cdot 34 \cdot 3}{\cancel{68}}}{\cancel{21}} = \frac{\cancel{2} \cdot \cancel{2} \cdot 17}{\cancel{2} \cdot \cancel{2}} = 17$$

$$3. \quad \overset{18}{6} \frac{2}{3} \div \overset{80}{4} \frac{7}{20}$$

$$\frac{20}{3} \div \frac{87}{20}$$

$$\frac{20}{3} \cdot \frac{20}{\cancel{287}} = \frac{\cancel{2} \cdot \cancel{2} \cdot 5 \cdot 20}{\cancel{3} \cdot \cancel{3} \cdot \cancel{29}}$$

$$\frac{400}{261} = 1 \frac{139}{261}$$