

ENRICHMENT

Name _____

1. $\frac{7}{8} \cdot \frac{4}{7} \div \frac{6}{10}$

2. $\frac{2}{9} \div \frac{1}{8} \cdot \frac{7}{8}$

3. $\frac{15}{17} \div \frac{1}{3} \div 1\frac{8}{17}$

4. $\frac{5}{23} \div \frac{3}{4} \cdot 2 \div \frac{4}{23}$

5. $3\frac{1}{2} \cdot 4\frac{2}{3} \cdot 2\frac{2}{5} \div 4\frac{2}{3}$

6. $1\frac{3}{5} \div \frac{2}{3} \cdot 3\frac{1}{2} \div 5 \cdot 1\frac{1}{2} \cdot 6\frac{2}{3}$

ENRICHMENT

Name Key

1. $\frac{7}{8} \cdot \frac{4}{7} \div \frac{6}{10}$

$$\frac{7}{8} \cdot \frac{4}{7} \cdot \frac{10}{6} = \frac{280}{336} \div 28 = \frac{10}{12} \div 2 = \left(\frac{5}{6}\right)$$

2. $\frac{2}{9} \div \frac{1}{8} \cdot \frac{7}{8}$

$$\frac{2}{9} \cdot \frac{8}{1} \cdot \frac{7}{8} = \frac{112}{72} \div 8 = \frac{14}{9} = \left(1\frac{5}{9}\right)$$

3. $\frac{15}{17} \div \frac{1}{3} \div 1\frac{8}{17}$

$$\frac{15}{17} \cdot \frac{3}{1} \cdot \frac{17}{25} = \frac{765}{425} \div 5 = \frac{153}{85} \div 17 = \frac{9}{5} = \left(1\frac{4}{5}\right)$$

4. $\frac{5}{23} \div \frac{3}{4} \cdot 2 \div \frac{4}{23}$

$$\frac{5}{23} \cdot \frac{4}{3} \cdot \frac{2}{1} \cdot \frac{23}{4} = \frac{920}{276} \div 23 = \frac{40}{12} \div 4 = \frac{10}{3} = \left(3\frac{1}{3}\right)$$

5. $3\frac{1}{2} \cdot 4\frac{2}{3} \cdot 2\frac{2}{5} \div 4\frac{2}{3}$

$$\frac{7}{2} \cdot \frac{14}{3} \cdot \frac{12}{5} \div \frac{14}{3} = \frac{3528}{420} \div 14 = \frac{252}{30} \div 6 = \frac{42}{5} = \left(8\frac{2}{5}\right)$$

6. $1\frac{3}{5} \div \frac{2}{3} \cdot 3\frac{1}{2} \div 5 \cdot 1\frac{1}{2} \cdot 6\frac{2}{3}$

$$\frac{8}{5} \div \frac{2}{3} \cdot \frac{7}{2} \div \frac{5}{1} \cdot \frac{3}{2} \cdot \frac{20}{3} = \frac{10,080}{600} \div 30 = \frac{336}{20} \div 4 = \frac{84}{5} = \left(16\frac{4}{5}\right)$$