

$$1. \quad \frac{13}{16} \cdot \frac{10}{39}$$

$$2. \quad \frac{7}{10} \div \frac{5}{12}$$

$$3. \quad 4\frac{2}{5} \cdot 300$$

$$4. \quad 2\frac{4}{7} \cdot 1\frac{5}{9}$$

$$5. \quad 7\frac{1}{2} \div 3$$

$$6. \quad 15\frac{3}{4} \cdot 1\frac{1}{21}$$

7. $6\frac{2}{5} \div 3\frac{1}{5}$

8. $20\frac{1}{4} \div 1\frac{4}{5}$

9. $2\frac{8}{17} \cdot 1\frac{3}{14}$

10. $1\frac{1}{9} \div 3\frac{17}{21}$

11. $600 \div 8\frac{4}{7}$

12. $9\frac{3}{8} \cdot 8\frac{4}{5}$

Multiplying and Dividing Fractions Mix-Up

Name Key

$$1 \frac{13}{16} \cdot \frac{10}{39} = \frac{5}{24}$$

(Note: 13 and 10 are crossed out, 8 and 3 are written below 16 and 39 respectively)

2. $\frac{7}{10} \div \frac{5}{12}$

5. $\frac{7}{10} \cdot \frac{12}{5} = \frac{42}{25} = 1 \frac{17}{25}$

3. $4 \frac{2}{5} \cdot 300$

$$\frac{22}{1} \cdot \frac{300}{1} = 1320$$

(Note: 22 and 300 are crossed out, 5 and 60 are written below 22 and 300 respectively)

4. $2 \frac{4}{7} \cdot 1 \frac{5}{9}$

$$\frac{18}{7} \cdot \frac{14}{9} = \frac{4}{1} = 4$$

(Note: 18 and 14 are crossed out, 7 and 9 are written below 18 and 14 respectively)

5. $7 \frac{1}{2} \div 3$

$$\frac{15}{2} \div \frac{3}{1}$$

$$5 \frac{15}{2} \cdot \frac{1}{3} = \frac{5}{2} = 2 \frac{1}{2}$$

(Note: 15 and 3 are crossed out, 5 is written below 15)

6. $15 \frac{3}{4} \cdot 1 \frac{1}{21}$

$$\frac{63}{4} \cdot \frac{22}{21} = \frac{33}{2} = 16 \frac{1}{2}$$

(Note: 63 and 22 are crossed out, 3 and 11 are written above 63 and 22 respectively)

$$7. \quad 6\frac{2}{5} \div 3\frac{1}{5}$$

$$\frac{32}{5} \div \frac{16}{5}$$

$$^2 \frac{\cancel{32}}{5} \cdot \frac{5}{\cancel{16}} = \textcircled{2}$$

$$8. \quad 20\frac{1}{4} \div 1\frac{4}{5}$$

$$\frac{81}{4} \div \frac{9}{5}$$

$$^9 \frac{\cancel{81}}{4} \cdot \frac{5}{\cancel{9}} = \frac{45}{4} = \textcircled{11\frac{1}{4}}$$

$$9. \quad 2\frac{8}{17} \cdot 1\frac{3}{14}$$

$$^3 \frac{\cancel{42}}{17} \cdot \frac{\cancel{17}}{\cancel{14}} = \frac{3}{1} = \textcircled{3}$$

$$10. \quad 1\frac{1}{9} \div 3\frac{17}{21}$$

$$\frac{10}{9} \div \frac{80}{21}$$

$$^1 \frac{\cancel{10}}{9} \cdot \frac{\cancel{21}}{\cancel{80}} = \textcircled{\frac{7}{24}}$$

$$11. \quad 600 \div 8\frac{4}{7}$$

$$\frac{600}{1} \div \frac{60}{7}$$

$$^{10} \frac{\cancel{600}}{1} \cdot \frac{7}{\cancel{60}} = \textcircled{70}$$

$$12. \quad 9\frac{3}{8} \cdot 8\frac{4}{5}$$

$$^{15} \frac{\cancel{75}}{8} \cdot \frac{\cancel{44}}{5} = \frac{165}{2} = \textcircled{82\frac{1}{2}}$$