

Simplify on the Diagonal and then Multiply. Convert to a Mixed Number if Necessary.

1. $\frac{9}{16} \cdot \frac{12}{45} =$

2. $\frac{2}{35} \cdot 15 =$

3. $\frac{24}{33} \cdot \frac{11}{16} =$

4. $\frac{20}{42} \cdot \frac{7}{6} =$

Multiply. Convert to a Mixed Number if Necessary.

1. $2\frac{1}{12} \cdot \frac{8}{15} =$

2. $\frac{4}{9} \cdot 8\frac{1}{10} =$

3. $6 \cdot 4\frac{1}{2} =$

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

5. $11\frac{2}{3} \cdot 2\frac{7}{10} =$

6. $3\frac{3}{7} \cdot 2\frac{5}{8} =$

Simplify on the Diagonal and then Multiply. Convert to a Mixed Number if Necessary.

$$1. \frac{\overset{1}{\cancel{9}}}{\underset{4}{\cancel{16}}} \cdot \frac{\overset{3}{\cancel{12}}}{\underset{5}{\cancel{45}}} = \boxed{\frac{3}{20}}$$

$$2. \frac{2}{35} \cdot 15 =$$

$$\frac{\underset{7}{\cancel{2}}}{\cancel{35}} \cdot \frac{\overset{3}{\cancel{15}}}{1} = \boxed{\frac{6}{7}}$$

$$3. \frac{\overset{1}{\cancel{24}}}{\underset{1}{\cancel{33}}} \cdot \frac{\overset{1}{\cancel{11}}}{\underset{2}{\cancel{16}}} = \boxed{\frac{1}{2}}$$

$$4. \frac{\overset{5}{\cancel{20}}}{\underset{3}{\cancel{42}}} \cdot \frac{\overset{1}{\cancel{7}}}{\underset{3}{\cancel{6}}} = \boxed{\frac{5}{9}}$$

Multiply. Convert to a Mixed Number if Necessary.

$$1. 2\frac{1}{12} \cdot \frac{8}{15} =$$

$$\overset{5}{\cancel{25}} \frac{\overset{1}{\cancel{12}}}{\underset{3}{\cancel{12}}} \cdot \frac{\overset{2}{\cancel{8}}}{\underset{3}{\cancel{15}}} = \frac{10}{9} = \boxed{1\frac{1}{9}}$$

$$2. \frac{4}{9} \cdot 8\frac{1}{10} =$$

$$\frac{\overset{2}{\cancel{4}}}{\underset{1}{\cancel{9}}} \cdot \frac{\overset{1}{\cancel{81}}}{\underset{5}{\cancel{10}}} = \frac{18}{5} = \boxed{3\frac{3}{5}}$$

$$3. \quad 6 \cdot 4\frac{1}{2} =$$

$$\overset{3}{\cancel{6}} \cdot \frac{9}{\cancel{2}_1} = \frac{27}{1} = \boxed{27}$$

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

$$\frac{11}{\cancel{3}_1} \cdot \frac{\cancel{6}^2}{5} = \frac{22}{5} = \boxed{4\frac{2}{5}}$$

$$5. \quad 11\frac{2}{3} \cdot 2\frac{7}{10} =$$

$$\overset{7}{\cancel{35}} \cdot \frac{\cancel{21}^9}{\cancel{10}_2} = \frac{63}{2}$$

$$\downarrow$$

$$\boxed{31\frac{1}{2}}$$

$$6. \quad 3\frac{3}{7} \cdot 2\frac{5}{8} =$$

$$\overset{3}{\cancel{24}} \cdot \frac{\cancel{21}^3}{\cancel{8}_1} = \frac{9}{1} = \boxed{9}$$