Multiplying Fractions #1 Homework Name _____

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

5. $\frac{18}{3} \cdot \frac{8}{9} =$

6. $\frac{36}{21} \cdot \frac{14}{6} =$

Multiplying Fractions #1 Homework Name Key

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

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

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

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

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

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

5. $\frac{\cancel{18}^{2}}{3} \cdot \frac{8}{\cancel{9}_{1}} = \frac{16}{3} = \boxed{5\frac{1}{3}}$

6. $\frac{\cancel{36}^{2}}{\cancel{21}_{1}} \cdot \frac{\cancel{14}^{2}}{\cancel{6}_{1}} = \frac{4}{1} = \boxed{4}$