Equivalent Fractions: Fill in the Chain

Name: _____ Date: _____

Every fraction in a row is equal. Find each missing numerator or denominator.

1. $\frac{1}{4} = \frac{2}{\square} = \frac{\square}{12} = \frac{4}{\square} = \frac{\square}{20}$
2. $\frac{4}{24} = \frac{3}{\square} = \frac{\square}{12} = \frac{1}{\square}$
3. $\frac{1}{3} = \frac{2}{\square} = \frac{\square}{9} = \frac{4}{\square} = \frac{\square}{15}$
4. $\frac{12}{20} = \frac{9}{\square} = \frac{\square}{10} = \frac{3}{\square}$
5. $\frac{1}{2} = \frac{2}{\square} = \frac{\square}{6} = \frac{4}{\square} = \frac{\square}{10}$
6. $\frac{16}{20} = \frac{12}{\square} = \frac{\square}{10} = \frac{4}{\square}$
7. $\frac{3}{4} = \frac{6}{\square} = \frac{\square}{12} = \frac{12}{\square} = \frac{\square}{20}$
8. $\frac{4}{20} = \frac{3}{\square} = \frac{\square}{10} = \frac{1}{\square}$
9. $\frac{2}{3} = \frac{4}{\square} = \frac{\square}{9} = \frac{8}{\square} = \frac{\square}{15}$
10. $\frac{8}{20} = \frac{6}{\square} = \frac{\square}{10} = \frac{2}{\square}$

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Answer Key

Every fraction in a row is equal. Find each missing numerator or denominator.

1. $\frac{1}{4} = \frac{2}{\boxed{8}} = \frac{\boxed{3}}{12} = \frac{4}{\boxed{16}} = \frac{\boxed{5}}{20}$
2. $\frac{4}{24} = \frac{3}{\boxed{18}} = \frac{\boxed{2}}{12} = \frac{1}{\boxed{6}}$
3. $\frac{1}{3} = \frac{2}{\boxed{6}} = \frac{\boxed{3}}{9} = \frac{4}{\boxed{12}} = \frac{\boxed{5}}{15}$
4. $\frac{12}{20} = \frac{9}{\boxed{15}} = \frac{\boxed{6}}{10} = \frac{3}{\boxed{5}}$
5. $\frac{1}{2} = \frac{2}{\boxed{4}} = \frac{\boxed{3}}{6} = \frac{4}{\boxed{8}} = \frac{\boxed{5}}{10}$
6. $\frac{16}{20} = \frac{12}{\boxed{15}} = \frac{\boxed{8}}{10} = \frac{4}{\boxed{5}}$
7. $\frac{3}{4} = \frac{6}{\boxed{8}} = \frac{\boxed{9}}{12} = \frac{12}{\boxed{16}} = \frac{\boxed{15}}{20}$
8. $\frac{4}{20} = \frac{3}{\boxed{15}} = \frac{\boxed{2}}{10} = \frac{1}{\boxed{5}}$
9. $\frac{2}{3} = \frac{4}{\boxed{6}} = \frac{\boxed{6}}{9} = \frac{8}{\boxed{12}} = \frac{\boxed{10}}{15}$
10. $\frac{8}{20} = \frac{6}{\boxed{15}} = \frac{\boxed{4}}{10} = \frac{2}{\boxed{5}}$