

## Dividing Fractions Worksheet Answer Key

It's a Fraction...In a Fraction...In Another Fraction

$$\begin{aligned} 1. \quad & \frac{2}{3} \div \frac{7}{8} \\ & = \frac{2}{3} \times \frac{8}{7} = \frac{16}{21} \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{5}{9} \div \frac{105}{36} \\ & = \frac{5}{9} \times \frac{36}{105} = \frac{4}{21} \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{5}{12} \div \frac{9}{4} \\ & = \frac{5}{12} \times \frac{4}{9} = \frac{5}{3} \times \frac{1}{9} = \frac{5}{27} \end{aligned}$$

$$\begin{aligned} 7. \quad & 2\frac{1}{7} \div 7\frac{1}{2} \\ & = \frac{15}{7} \div \frac{15}{2} = \frac{15}{7} \times \frac{2}{15} = \frac{2}{7} \end{aligned}$$

$$\begin{aligned} 3. \quad & 6\frac{3}{5} \div 11 \\ & = \frac{33}{5} \div 11 = \frac{33}{5} \times \frac{1}{11} = \frac{3}{5} \end{aligned}$$

$$\begin{aligned} 8. \quad & 10\frac{4}{5} \div 5 \\ & = \frac{54}{5} \div 5 = \frac{54}{5} \times \frac{1}{5} = \frac{54}{25} = 2\frac{4}{25} \end{aligned}$$

$$\begin{aligned} 4. \quad & 8\frac{2}{3} \div 19\frac{1}{2} \\ & = \frac{26}{3} \div \frac{39}{2} = \frac{26}{3} \times \frac{2}{39} = \frac{4}{9} \end{aligned}$$

$$\begin{aligned} 9. \quad & 3\frac{9}{12} \div 2\frac{1}{4} \\ & = \frac{45}{12} \div \frac{9}{4} = \frac{45}{12} \times \frac{4}{9} = \frac{5}{3} = 1\frac{2}{3} \end{aligned}$$

$$\begin{aligned} 5. \quad & 19 \div 6\frac{2}{6} \\ & = 19 \div \frac{38}{6} = 19 \times \frac{6}{38} = \frac{6}{2} = 3 \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{112}{123} \div 0 \\ & = \frac{112}{123} \times \frac{1}{0} = \text{undefined} \end{aligned}$$

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