

# Fractions 07: Multiplying Fractions Notes Answers

Name \_\_\_\_\_



## Rules for Multiplying Fractions:

1. Turn any **mixed** numbers into improper fractions.
2. If you have any **whole** numbers, put the invisible **1** on the bottom.
3. Slash anything that can be **reduced** from the top and bottom.
4. Multiply across the **top** and **bottom**.
5. Check! Change **improper** fractions into **mixed** numbers and **reduce** if needed.

$$\frac{\cancel{16}^2}{\cancel{49}_7} \times \frac{\cancel{7}^1}{\cancel{40}_{10}5} = \frac{2}{7} \times \frac{1}{5} = \frac{2}{35}$$

Math workspace:

$$\begin{array}{r} 25r1 \\ 3 \overline{)70} \\ \underline{-6} \\ 10 \\ \underline{-9} \\ 1 \end{array}$$

$$\begin{array}{r} 2 \\ 14 \\ \times 5 \\ \hline 70 \end{array}$$

$$5\frac{25}{5} \times 4\frac{24}{6} =$$

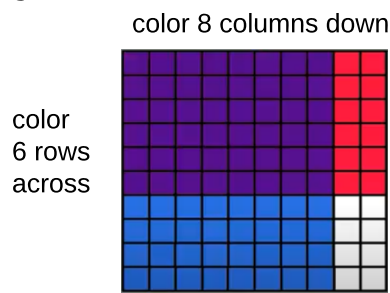
$$\frac{14\cancel{28}}{1\cancel{8}} \times \frac{5\cancel{25}}{3\cancel{6}} = \frac{14}{1} \times \frac{5}{3} = \frac{70}{3} = 23\frac{1}{3}$$

$$\frac{5}{8} \text{ of } 56 = \frac{5}{\cancel{8}_1} \times \frac{5\cancel{6}^7}{1} = \frac{35}{1} = 35$$

$$4 \times \frac{3}{10} = \frac{3}{10} + \frac{3}{10} + \frac{3}{10} + \frac{3}{10} = \frac{12}{10}$$

$$4 \times \frac{3}{10} = \frac{4}{1} + \frac{3}{10} = \frac{12}{10}$$

With a grid:



$$6 \times 8 = 48 \text{ squares}$$

Fraction:

$$\frac{3}{8} \times \frac{2}{5} = \frac{6}{40}$$

