



Institución Educativa Instituto Quimbaya

Docente: Dahian Stiven Gallego Ortiz

Matemáticas grado 6°

División y multiplicación de fraccionarios **Simplificando**

Realiza las siguientes operaciones (multiplicación y división de fraccionarios cuyo resultado debe estar simplificado a su mínima expresión)

Guíese con el ejemplo

Multiplicar:

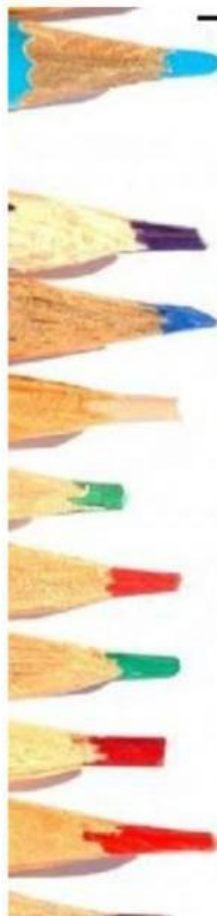
$$\frac{2}{5} \times \frac{4}{6} \times \frac{5}{8} = \frac{2 \times 4 \times 5}{5 \times 6 \times 8} = \frac{40}{240} = \frac{1}{6}$$

Simplificando antes de multiplicar:

$$\frac{1}{2} \times \frac{1}{3} \times \frac{1}{5} = \frac{1 \times 1 \times 1}{1 \times 6 \times 1} = \frac{1}{6}$$

$$\frac{2}{9} \times \frac{2}{15} = \frac{4}{9}$$

$$\frac{5}{14} \times \frac{12}{24} = \frac{20}{21}$$



$$\frac{2}{5} \times \frac{7}{8} = \text{—}$$

$$\frac{4}{10} \times \frac{5}{6} = \text{—}$$

$$\frac{1}{6} \times \frac{2}{5} = \text{—}$$

$$\frac{3}{4} \times \frac{3}{5} = \text{—}$$

$$\frac{5}{3} \times \frac{5}{2} = \text{—}$$

$$\frac{12}{2} \div \frac{1}{2} = \text{—}$$

$$\frac{3}{6} \div \frac{1}{5} = \text{—}$$

$$\frac{7}{10} \div \frac{1}{8} = \text{—}$$

$$\frac{10}{12} \div \frac{3}{5} = \text{—}$$

$$\frac{5}{6} \div \frac{1}{4} = \text{—}$$

$$\frac{2}{3} \times \frac{9}{4} \times \frac{5}{6} =$$

$$\frac{3}{5} \div \frac{9}{10} \div \frac{2}{3} =$$

$$\frac{7}{8} \times \frac{4}{21} \times \frac{3}{2} \times \frac{1}{3} =$$

$$\frac{12}{7} \div \frac{4}{3} \div \frac{6}{5} \div \frac{2}{1} =$$

$$\frac{15}{16} \times \frac{2}{5} \times \frac{8}{9} =$$

$$\frac{5}{6} \div \frac{10}{9} \div \frac{3}{4} =$$

$$\frac{3}{4} \times \frac{8}{9} \div \frac{2}{3} \times \frac{5}{6} =$$

$$\frac{14}{15} \div \frac{7}{10} \times \frac{5}{6} \div \frac{2}{3} =$$

$$\frac{6}{11} \times \frac{11}{8} \div \frac{9}{10} \times \frac{10}{3} =$$

$$\frac{18}{25} \div \frac{6}{5} \times \frac{10}{27} \div \frac{2}{3} =$$