

数と計算のまとめ

分数のかけ算・わり算

年 組 番

名前

1. 次の計算をしましょう。

$$\frac{5}{9} \times \frac{3}{7} = \frac{\cancel{5}^1 \times \cancel{3}_3}{9 \times 7} = \frac{5}{21}$$

$$2\frac{2}{5} \times \frac{1}{6} = \frac{\cancel{12}^2 \times 1}{5 \times \cancel{6}_1} = \frac{2}{5}$$

$$3\frac{3}{10} \times 1\frac{9}{11} = \frac{\cancel{33}^3 \times \cancel{20}^2}{\cancel{10}_1 \times \cancel{11}_1} = 6$$

$$\frac{4}{9} \div \frac{4}{15} = \frac{\cancel{4}^1}{\cancel{9}_3} \times \frac{\cancel{15}^5}{\cancel{4}_1} = \frac{5}{3} = 1\frac{2}{3}$$

$$3\frac{1}{8} \div \frac{5}{12} = \frac{\cancel{25}^5}{\cancel{8}_2} \times \frac{\cancel{12}^3}{\cancel{5}_1} = \frac{15}{2} = 7\frac{1}{2}$$

$$3\frac{1}{15} \div 1\frac{1}{9} = \frac{\cancel{46}^{23}}{\cancel{15}_5} \times \frac{\cancel{9}^3}{\cancel{10}_5} = \frac{46}{25} = 1\frac{21}{25}$$

2. 次の計算をしましょう。

$$4\frac{2}{3} \times \frac{6}{7} \div 2\frac{2}{3} = \frac{14}{3} \times \frac{6}{7} \div \frac{8}{3} = \frac{\cancel{14}^2 \times \cancel{6}^3 \times \cancel{3}^1}{\cancel{3}_1 \times \cancel{7}_1 \times \cancel{8}_2} = \frac{3}{2} = 1\frac{1}{2}$$

$$\frac{15}{16} \div \frac{1}{2} \div 3 = \frac{\cancel{15}^5}{\cancel{16}^8} \times \frac{\cancel{2}^1}{1} \times \frac{1}{\cancel{3}^1} = \frac{5}{8}$$