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帯分数のかけ算・わり算

年 組 番 名前

● 計算のしかた ●
 〈帯分数のかけ算〉

$$2\frac{2}{5} \times \frac{7}{8} = \frac{12}{5} \times \frac{7}{8}$$

$$= \frac{12 \times 7}{5 \times 8}$$

$$= \frac{21}{10} \quad (2\frac{1}{10})$$

→ 3 2, 4 1 ~

帯分数は仮分数にして
から計算します。

$$\textcircled{1} 3\frac{1}{5} \times \frac{3}{10} = \frac{8 \cancel{1} \times 3}{5 \times \cancel{1} \times 5}$$

$$= \frac{24}{25}$$

$$\textcircled{2} \frac{4}{5} \times 2\frac{1}{6} = \frac{2 \cancel{4} \times 1 \cancel{3}}{5 \times \cancel{6} \times 3}$$

$$= \frac{26}{15} \quad (1\frac{11}{15})$$

$$\textcircled{3} 2\frac{1}{3} \times 1\frac{1}{8} = \frac{7 \times \cancel{3}}{1 \cancel{3} \times 8}$$

$$= \frac{21}{8} \quad (2\frac{5}{8})$$

$$\textcircled{4} 3\frac{1}{3} \times 2\frac{2}{5} = \frac{2 \cancel{1} \times \cancel{1} \times 4}{1 \cancel{3} \times 5 \times 1}$$

$$= 8$$

$$\textcircled{5} 4\frac{2}{3} \times 2\frac{4}{7} = \frac{2 \cancel{1} \times \cancel{4} \times \cancel{8} \times 6}{1 \cancel{3} \times 7 \times 1}$$

$$= 12$$

● 計算のしかた ●
 〈帯分数のわり算〉

$$3\frac{1}{3} \div \frac{5}{7} = \frac{10}{3} \div \frac{5}{7}$$

$$= \frac{10 \times 7}{3 \times 5}$$

$$= \frac{14}{3} \quad (4\frac{2}{3})$$

→ 3 2, 4 4 ~

$$\textcircled{1} 2\frac{4}{5} \div \frac{2}{3} = \frac{7 \cancel{4} \times 3}{5 \times \cancel{2} \times 1}$$

$$= \frac{21}{5} \quad (4\frac{1}{5})$$

$$\textcircled{2} \frac{4}{9} \div 2\frac{2}{3} = \frac{1 \cancel{4} \times \cancel{3} \times 1}{3 \times \cancel{9} \times 2}$$

$$= \frac{1}{6}$$

$$\textcircled{3} 4\frac{1}{2} \div 1\frac{7}{8} = \frac{3 \cancel{4} \times \cancel{8} \times 4}{1 \cancel{2} \times 1 \times 5 \times 5}$$

$$= \frac{12}{5} \quad (2\frac{2}{5})$$

$$\textcircled{4} 3\frac{1}{3} \div 2\frac{2}{9} = \frac{1 \cancel{1} \times \cancel{9} \times 3}{1 \cancel{3} \times 2 \times 2}$$

$$= \frac{3}{2} \quad (1\frac{1}{2})$$

$$\textcircled{5} 4\frac{2}{3} \div 3\frac{8}{9} = \frac{2 \cancel{1} \times \cancel{4} \times \cancel{9} \times 3}{1 \cancel{3} \times 3 \times 5 \times 5}$$

$$= \frac{6}{5} \quad (1\frac{1}{5})$$