

分数のわり算 (2)

名前 _____

「分数 ÷ 分数」の計算

【1】 次の計算をなさい。

$$(1) \frac{5}{4} \div \frac{1}{3} = \frac{5 \times 3}{4 \times 1} = \frac{15}{4} \left(3\frac{3}{4}\right)$$

$$(2) \frac{6}{11} \div \frac{3}{8} = \frac{\cancel{6}^2 \times 8}{11 \times \cancel{3}_1} = \frac{16}{11} \left(1\frac{5}{11}\right)$$

$$(3) \frac{7}{3} \div \frac{7}{6} = \frac{\cancel{7}^1 \times \cancel{6}^2}{\cancel{3}_1 \times \cancel{7}_1} = 2$$

$$(4) \frac{3}{8} \div \frac{33}{2} = \frac{\cancel{3}^1 \times \cancel{2}^1}{\cancel{8}_4 \times \cancel{33}_{11}} = \frac{1}{44}$$

$$(5) \frac{4}{15} \div \frac{7}{5} = \frac{4 \times \cancel{5}^1}{\cancel{15}_3 \times 7} = \frac{4}{21}$$

$$(6) \frac{3}{13} \div \frac{27}{26} = \frac{\cancel{3}^1 \times \cancel{26}^2}{\cancel{13}_1 \times \cancel{27}_9} = \frac{2}{9}$$

$$(7) \frac{17}{14} \div \frac{3}{7} = \frac{17 \times \cancel{7}^1}{\cancel{14}_2 \times 3} = \frac{17}{6} \left(2\frac{5}{6}\right)$$

$$(8) \frac{10}{9} \div \frac{22}{15} = \frac{\cancel{10}^5 \times \cancel{15}^5}{\cancel{9}_3 \times \cancel{22}_{11}} = \frac{25}{33}$$

【2】 次の計算をなさい。

$$(1) \frac{4}{5} \div 5\frac{1}{3} = \frac{\cancel{4}^1 \times 3}{5 \times \cancel{16}_4} = \frac{3}{20}$$

$$(2) \frac{3}{2} \div 4\frac{1}{3} = \frac{3 \times 3}{2 \times 13} = \frac{9}{26}$$

$$(3) \frac{13}{9} \div 1\frac{2}{37} = \frac{\cancel{13}^1 \times 37}{9 \times \cancel{39}_3} = \frac{37}{27} \left(1\frac{10}{27}\right)$$

$$(4) 5\frac{1}{2} \div \frac{1}{4} = \frac{11 \times \cancel{4}^2}{\cancel{2}_1 \times 1} = 22$$

$$(5) \frac{32}{17} \div 4\frac{4}{7} = \frac{\cancel{32}^1 \times 7}{17 \times \cancel{32}_1} = \frac{7}{17}$$

$$(6) 1\frac{4}{19} \div \frac{46}{57} = \frac{\cancel{23}^1 \times \cancel{57}^3}{\cancel{19}_1 \times \cancel{46}_2} = \frac{3}{2} \left(1\frac{1}{2}\right)$$

$$(7) \frac{7}{39} \div 1\frac{1}{6} = \frac{\cancel{7}^1 \times \cancel{6}^2}{\cancel{39}_{13} \times \cancel{7}_1} = \frac{2}{13}$$

$$(8) \frac{9}{56} \div 2\frac{1}{4} = \frac{\cancel{9}^1 \times \cancel{4}^1}{\cancel{56}_{14} \times \cancel{9}_1} = \frac{1}{14}$$