

分数のわり算 (1)

名前 _____

「分数 ÷ 分数」の計算

【1】 次の計算をなさい。

$$(1) \frac{1}{7} \div \frac{2}{3} = \frac{1 \times 3}{7 \times 2} = \frac{3}{14}$$

$$(2) \frac{8}{15} \div \frac{5}{3} = \frac{8 \times \cancel{3}^1}{15 \times 5} = \frac{8}{25}$$

$$(3) \frac{7}{3} \div \frac{8}{9} = \frac{7 \times \cancel{9}^3}{\cancel{3}_1 \times 8} = \frac{21}{8} \left(2 \frac{5}{8}\right)$$

$$(4) \frac{2}{3} \div \frac{11}{12} = \frac{2 \times \cancel{12}^4}{\cancel{3}_1 \times 11} = \frac{8}{11}$$

$$(5) \frac{3}{8} \div \frac{33}{2} = \frac{\cancel{3}^1 \times \cancel{2}^1}{8 \times \cancel{33}_{4 \times 11}} = \frac{1}{44}$$

$$(6) \frac{7}{12} \div \frac{14}{13} = \frac{\cancel{7}^1 \times 13}{12 \times \cancel{14}_2} = \frac{13}{24}$$

$$(7) \frac{25}{18} \div \frac{20}{3} = \frac{25 \times \cancel{3}^1}{18 \times \cancel{20}_4} = \frac{5}{24}$$

$$(8) \frac{21}{6} \div \frac{21}{36} = \frac{\cancel{21}^1 \times \cancel{36}^6}{\cancel{6}_1 \times \cancel{21}_1} = 6$$

【2】 次の計算をなさい。

$$(1) 1\frac{5}{9} \div \frac{7}{9} = \frac{14 \times \cancel{9}^1}{\cancel{9}_1 \times \cancel{7}_1} = 2$$

$$(2) \frac{8}{13} \div 2\frac{2}{11} = \frac{\cancel{8}^1 \times 11}{13 \times \cancel{24}_3} = \frac{11}{39}$$

$$(3) \frac{27}{2} \div 4\frac{1}{2} = \frac{27 \times \cancel{2}^1}{\cancel{2}_1 \times \cancel{9}_1} = 3$$

$$(4) \frac{7}{10} \div 5\frac{1}{4} = \frac{\cancel{7}^1 \times \cancel{4}^2}{10 \times \cancel{21}_3} = \frac{2}{15}$$

$$(5) 5\frac{3}{5} \div \frac{7}{65} = \frac{28 \times \cancel{65}^{13}}{\cancel{5}_1 \times \cancel{7}_1} = 52$$

$$(6) 2\frac{8}{17} \div \frac{3}{2} = \frac{\cancel{4}^{14} \times 2}{17 \times \cancel{3}_1} = \frac{28}{17} \left(1 \frac{11}{17}\right)$$

$$(7) 4\frac{1}{6} \div \frac{15}{16} = \frac{25 \times \cancel{16}^8}{\cancel{6}_3 \times \cancel{15}_3} = \frac{40}{9} \left(4 \frac{4}{9}\right)$$

$$(8) \frac{19}{5} \div 5\frac{3}{7} = \frac{\cancel{19}^1 \times 7}{5 \times \cancel{38}_2} = \frac{7}{10}$$