

分数のわり算4

(分数÷分数 約分あり)

年 組 名前()

次の分数の計算をしましょう。

$$(1) \frac{4}{9} \div \frac{8}{9} = \frac{4 \times 9}{9 \times 8} =$$

$$(8) \frac{9}{100} \div \frac{3}{25}$$

$$(2) \frac{8}{3} \div \frac{8}{9}$$

$$(9) \frac{7}{9} \div \frac{2}{3}$$

$$(3) \frac{3}{4} \div \frac{9}{10}$$

$$(10) \frac{2}{20} \div \frac{8}{11}$$

$$(4) \frac{9}{10} \div \frac{3}{4}$$

$$(11) \frac{4}{9} \div \frac{2}{3}$$

$$(5) \frac{2}{16} \div \frac{8}{11}$$

$$(12) \frac{4}{7} \div \frac{8}{9}$$

$$(6) \frac{2}{9} \div \frac{2}{3}$$

$$(13) \frac{3}{8} \div \frac{3}{4}$$

$$(7) \frac{3}{2} \div \frac{3}{4}$$

$$(14) \frac{5}{7} \div \frac{5}{6}$$

$$(15) \frac{4}{9} \div \frac{4}{7} \times \frac{4}{7}$$

$$(16) \frac{8}{11} \times \frac{3}{5} \div \frac{12}{13}$$

$$(17) \frac{6}{5} \div \frac{6}{7} \div \frac{2}{5}$$

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次の分数の計算をしましょう。

$$(1) \frac{4}{9} \div \frac{8}{9} = \frac{\cancel{4}^1 \times \cancel{9}_2}{\cancel{9}_1 \times \cancel{8}_2} = \frac{1}{2} \quad (8) \frac{9}{100} \div \frac{3}{25} = \frac{\cancel{9}_3 \times \cancel{25}_4}{\cancel{100}_4 \times \cancel{3}_1} = \frac{3}{4}$$

$$(2) \frac{8}{3} \div \frac{8}{9} = \frac{\cancel{8}_1 \times \cancel{9}_3}{\cancel{3}_3 \times \cancel{8}_1} = 3 \quad (9) \frac{7}{9} \div \frac{2}{3} = \frac{\cancel{7}_1 \times \cancel{3}_3}{\cancel{9}_3 \times \cancel{2}_1} = \frac{7}{6}$$

$$(3) \frac{3}{4} \div \frac{9}{10} = \frac{\cancel{3}_3 \times \cancel{10}_2}{\cancel{4}_2 \times \cancel{9}_3} = \frac{5}{6} \quad (10) \frac{2}{20} \div \frac{8}{11} = \frac{\cancel{2}_2 \times \cancel{11}_1}{\cancel{20}_4 \times \cancel{8}_4} = \frac{11}{80}$$

$$(4) \frac{9}{10} \div \frac{3}{4} = \frac{\cancel{9}_3 \times \cancel{4}_2}{\cancel{10}_2 \times \cancel{3}_3} = \frac{6}{5} \quad (11) \frac{4}{9} \div \frac{2}{3} = \frac{\cancel{4}_2 \times \cancel{3}_3}{\cancel{9}_3 \times \cancel{2}_1} = \frac{2}{3}$$

$$(5) \frac{2}{16} \div \frac{8}{11} = \frac{\cancel{2}_2 \times \cancel{11}_1}{\cancel{16}_4 \times \cancel{8}_4} = \frac{11}{64} \quad (12) \frac{4}{7} \div \frac{8}{9} = \frac{\cancel{4}_2 \times \cancel{9}_3}{\cancel{7}_1 \times \cancel{8}_4} = \frac{9}{14}$$

$$(6) \frac{2}{9} \div \frac{2}{3} = \frac{\cancel{2}_2 \times \cancel{3}_3}{\cancel{9}_3 \times \cancel{2}_1} = \frac{1}{3} \quad (13) \frac{3}{8} \div \frac{3}{4} = \frac{\cancel{3}_3 \times \cancel{4}_2}{\cancel{8}_4 \times \cancel{3}_3} = \frac{1}{2}$$

$$(7) \frac{3}{2} \div \frac{3}{4} = \frac{\cancel{3}_3 \times \cancel{4}_2}{\cancel{2}_2 \times \cancel{3}_3} = 2 \quad (14) \frac{5}{7} \div \frac{5}{6} = \frac{\cancel{5}_5 \times \cancel{6}_2}{\cancel{7}_1 \times \cancel{5}_5} = \frac{6}{7}$$

$$(15) \frac{4}{9} \div \frac{4}{7} \times \frac{4}{7} = \frac{\cancel{4}_4 \times \cancel{7}_7 \times \cancel{4}_4}{\cancel{9}_3 \times \cancel{4}_4 \times \cancel{7}_7} = \frac{4}{9}$$

$$(16) \frac{8}{11} \times \frac{3}{5} \div \frac{12}{13} = \frac{\cancel{8}_2 \times \cancel{3}_3 \times \cancel{13}_1}{\cancel{11}_1 \times \cancel{5}_5 \times \cancel{12}_4} = \frac{26}{55}$$

$$(17) \frac{6}{5} \div \frac{6}{7} \div \frac{2}{5} = \frac{\cancel{6}_6 \times \cancel{7}_7 \times \cancel{5}_5}{\cancel{5}_5 \times \cancel{6}_6 \times \cancel{2}_2} = \frac{7}{2}$$