

分数のわり算3

(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。

$$(1) \frac{9}{10} \div \frac{3}{4} = \frac{9 \times 4}{10 \times 3} =$$

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

$$(2) \frac{3}{8} \div \frac{6}{11}$$

$$(9) \frac{3}{8} \div \frac{3}{4}$$

$$(3) \frac{3}{10} \div \frac{2}{5}$$

$$(10) \frac{2}{3} \div \frac{4}{9}$$

$$(4) \frac{5}{3} \div \frac{5}{9}$$

$$(11) \frac{4}{7} \div \frac{4}{9}$$

$$(5) \frac{2}{20} \div \frac{8}{9}$$

$$(12) \frac{2}{9} \div \frac{2}{3}$$

$$(6) \frac{3}{4} \div \frac{9}{10}$$

$$(13) \frac{9}{13} \div \frac{3}{5}$$

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

$$(14) \frac{9}{100} \div \frac{3}{25}$$

$$(15) \frac{4}{9} \div \frac{2}{5} \times \frac{4}{5}$$

$$(16) \frac{3}{5} \times \frac{2}{5} \div \frac{6}{11}$$

$$(17) \frac{8}{3} \div \frac{2}{5} \div \frac{4}{7}$$

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次の分数の計算をしましょう。

$$(1) \frac{9}{10} \div \frac{3}{4} = \frac{\overset{3}{\cancel{9}} \times \overset{2}{\cancel{4}}}{\cancel{10} \times \underset{1}{\cancel{3}}} = \frac{6}{5} \quad (8) \frac{8}{3} \div \frac{8}{9} = \frac{\overset{1}{\cancel{8}} \times \overset{3}{\cancel{9}}}{\underset{1}{\cancel{3}} \times \cancel{8}} = 3$$

$$(2) \frac{3}{8} \div \frac{6}{11} = \frac{\overset{5}{\cancel{3}} \times \overset{1}{\cancel{11}}}{\underset{2}{\cancel{8}} \times \cancel{6}} = \frac{11}{16} \quad (9) \frac{3}{8} \div \frac{3}{4} = \frac{\overset{2}{\cancel{3}} \times \overset{1}{\cancel{4}}}{\underset{1}{\cancel{8}} \times \cancel{3}} = \frac{1}{2}$$

$$(3) \frac{3}{10} \div \frac{2}{5} = \frac{\overset{2}{\cancel{3}} \times \overset{1}{\cancel{5}}}{\cancel{10} \times \underset{2}{\cancel{2}}} = \frac{3}{4} \quad (10) \frac{2}{3} \div \frac{4}{9} = \frac{\overset{3}{\cancel{2}} \times \overset{1}{\cancel{9}}}{\underset{2}{\cancel{3}} \times \cancel{4}} = \frac{3}{2}$$

$$(4) \frac{5}{3} \div \frac{5}{9} = \frac{\overset{3}{\cancel{5}} \times \overset{1}{\cancel{9}}}{\underset{1}{\cancel{3}} \times \cancel{5}} = 3 \quad (11) \frac{4}{7} \div \frac{4}{9} = \frac{\overset{1}{\cancel{4}} \times \overset{1}{\cancel{9}}}{\underset{1}{\cancel{7}} \times \cancel{4}} = \frac{9}{7}$$

$$(5) \frac{2}{20} \div \frac{8}{9} = \frac{\overset{1}{\cancel{2}} \times \overset{1}{\cancel{9}}}{\cancel{20} \times \underset{4}{\cancel{8}}} = \frac{9}{80} \quad (12) \frac{2}{9} \div \frac{2}{3} = \frac{\overset{3}{\cancel{2}} \times \overset{1}{\cancel{3}}}{\underset{1}{\cancel{9}} \times \cancel{2}} = \frac{1}{3}$$

$$(6) \frac{3}{4} \div \frac{9}{10} = \frac{\overset{1}{\cancel{3}} \times \overset{5}{\cancel{10}}}{\underset{2}{\cancel{4}} \times \underset{3}{\cancel{9}}} = \frac{5}{6} \quad (13) \frac{9}{13} \div \frac{3}{5} = \frac{\overset{3}{\cancel{9}} \times \overset{1}{\cancel{5}}}{\underset{1}{\cancel{13}} \times \cancel{3}} = \frac{15}{13}$$

$$(7) \frac{4}{9} \div \frac{8}{9} = \frac{\overset{1}{\cancel{4}} \times \overset{1}{\cancel{9}}}{\underset{1}{\cancel{9}} \times \cancel{8}} = \frac{1}{2} \quad (14) \frac{9}{100} \div \frac{3}{25} = \frac{\overset{3}{\cancel{9}} \times \overset{1}{\cancel{25}}}{\underset{4}{\cancel{100}} \times \underset{1}{\cancel{3}}} = \frac{3}{4}$$

$$(15) \frac{4}{9} \div \frac{2}{5} \times \frac{4}{5} = \frac{\overset{2}{\cancel{4}} \times \overset{1}{\cancel{5}} \times \overset{1}{\cancel{4}}}{\underset{1}{\cancel{9}} \times \underset{2}{\cancel{2}} \times \underset{1}{\cancel{5}}} = \frac{8}{9}$$

$$(16) \frac{3}{5} \times \frac{2}{5} \div \frac{6}{11} = \frac{\overset{1}{\cancel{3}} \times \overset{1}{\cancel{2}} \times \overset{1}{\cancel{11}}}{\underset{1}{\cancel{5}} \times \underset{1}{\cancel{5}} \times \underset{2}{\cancel{6}}} = \frac{11}{25}$$

$$(17) \frac{8}{3} \div \frac{2}{5} \div \frac{4}{7} = \frac{\overset{1}{\cancel{8}} \times \overset{1}{\cancel{5}} \times \overset{1}{\cancel{7}}}{\underset{1}{\cancel{3}} \times \underset{2}{\cancel{2}} \times \underset{1}{\cancel{4}}} = \frac{35}{3}$$