

分数のわり算 I

(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。

$$(1) \frac{3}{8} \div \frac{3}{4} = \frac{3 \times 4}{8 \times 3} =$$

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

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

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

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

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

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

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

$$(5) \frac{3}{100} \div \frac{6}{25}$$

$$(12) \frac{4}{3} \div \frac{4}{9}$$

$$(6) \frac{3}{16} \div \frac{12}{13}$$

$$(13) \frac{4}{9} \div \frac{12}{13}$$

$$(7) \frac{1}{6} \div \frac{5}{6}$$

$$(14) \frac{2}{9} \div \frac{4}{9}$$

$$(15) \frac{3}{8} \div \frac{6}{7} \times \frac{4}{5}$$

$$(16) \frac{8}{9} \times \frac{6}{7} \div \frac{12}{13}$$

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

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次の分数の計算をしましょう。

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

$$(2) \frac{6}{11} \div \frac{2}{3} = \frac{\overset{3}{\cancel{6}} \times \overset{3}{\cancel{3}}}{\underset{11}{\cancel{11}} \times \underset{2}{\cancel{2}}} = \frac{9}{11} \quad (9) \frac{3}{4} \div \frac{9}{10} = \frac{\overset{1}{\cancel{3}} \times \overset{5}{\cancel{10}}}{\underset{2}{\cancel{4}} \times \underset{3}{\cancel{9}}} = \frac{5}{6}$$

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

$$(4) \frac{9}{10} \div \frac{3}{4} = \frac{\overset{3}{\cancel{9}} \times \overset{2}{\cancel{4}}}{\underset{10}{\cancel{10}} \times \underset{3}{\cancel{3}}} = \frac{6}{5} \quad (11) \frac{4}{9} \div \frac{2}{3} = \frac{\overset{2}{\cancel{4}} \times \overset{1}{\cancel{3}}}{\underset{9}{\cancel{9}} \times \underset{2}{\cancel{2}}} = \frac{2}{3}$$

$$(5) \frac{3}{100} \div \frac{6}{25} = \frac{\overset{1}{\cancel{3}} \times \overset{5}{\cancel{25}}}{\underset{4}{\cancel{100}} \times \underset{2}{\cancel{6}}} = \frac{1}{8} \quad (12) \frac{4}{3} \div \frac{4}{9} = \frac{\overset{1}{\cancel{4}} \times \overset{3}{\cancel{9}}}{\underset{3}{\cancel{3}} \times \underset{1}{\cancel{4}}} = 3$$

$$(6) \frac{3}{16} \div \frac{12}{13} = \frac{\overset{1}{\cancel{3}} \times \overset{1}{\cancel{13}}}{\underset{4}{\cancel{16}} \times \underset{12}{\cancel{12}}} = \frac{13}{64} \quad (13) \frac{4}{9} \div \frac{12}{13} = \frac{\overset{1}{\cancel{4}} \times \overset{1}{\cancel{13}}}{\underset{9}{\cancel{9}} \times \underset{3}{\cancel{12}}} = \frac{13}{27}$$

$$(7) \frac{1}{6} \div \frac{5}{6} = \frac{\overset{1}{\cancel{1}} \times \overset{1}{\cancel{6}}}{\underset{6}{\cancel{6}} \times \underset{5}{\cancel{5}}} = \frac{1}{5} \quad (14) \frac{2}{9} \div \frac{4}{9} = \frac{\overset{1}{\cancel{2}} \times \overset{1}{\cancel{9}}}{\underset{9}{\cancel{9}} \times \underset{2}{\cancel{4}}} = \frac{1}{2}$$

$$(15) \frac{3}{8} \div \frac{6}{7} \times \frac{4}{5} = \frac{\overset{1}{\cancel{3}} \times \overset{7}{\cancel{7}} \times \overset{1}{\cancel{4}}}{\underset{2}{\cancel{8}} \times \underset{2}{\cancel{6}} \times \underset{5}{\cancel{5}}} = \frac{7}{20}$$

$$(16) \frac{8}{9} \times \frac{6}{7} \div \frac{12}{13} = \frac{\overset{2}{\cancel{8}} \times \overset{2}{\cancel{6}} \times \overset{1}{\cancel{13}}}{\underset{3}{\cancel{9}} \times \underset{7}{\cancel{7}} \times \underset{3}{\cancel{12}}} = \frac{52}{63}$$

$$(17) \frac{8}{3} \div \frac{4}{5} \div \frac{4}{5} = \frac{\overset{1}{\cancel{8}} \times \overset{5}{\cancel{5}} \times \overset{5}{\cancel{5}}}{\underset{3}{\cancel{3}} \times \underset{1}{\cancel{4}} \times \underset{2}{\cancel{4}}} = \frac{25}{6}$$