

1

ABCDE

わり算をしましょう。

例

$$\frac{4}{5} \div \frac{3}{7} = \frac{4}{5} \times \frac{7}{3} = \frac{28}{15}$$

$$(1) \quad \frac{3}{7} \div \frac{4}{5} = \frac{\mathbf{3}}{\mathbf{7}} \times \frac{\mathbf{5}}{\mathbf{4}} = \frac{\mathbf{15}}{\mathbf{28}}$$

$$(2) \quad \frac{2}{5} \div \frac{7}{9} = \frac{\mathbf{2}}{\mathbf{5}} \times \frac{\mathbf{9}}{\mathbf{7}} = \frac{\mathbf{18}}{\mathbf{35}}$$

$$(3) \quad \frac{7}{9} \div \frac{2}{5} = \frac{\mathbf{7}}{\mathbf{9}} \times \frac{\mathbf{5}}{\mathbf{2}} = \frac{\mathbf{35}}{\mathbf{18}}$$

$$(4) \quad \frac{5}{9} \div \frac{4}{7} = \frac{\mathbf{5}}{\mathbf{9}} \times \frac{\mathbf{7}}{\mathbf{4}} = \frac{\mathbf{35}}{\mathbf{36}}$$

$$(5) \quad \frac{5}{6} \div \frac{3}{7} = \frac{\mathbf{5}}{\mathbf{6}} \times \frac{\mathbf{7}}{\mathbf{3}} = \frac{\mathbf{35}}{\mathbf{18}}$$

$$(6) \quad \frac{4}{7} \div \frac{5}{9} = \frac{\mathbf{4}}{\mathbf{7}} \times \frac{\mathbf{9}}{\mathbf{5}} = \frac{\mathbf{36}}{\mathbf{35}}$$

$$(7) \quad \frac{3}{7} \div \frac{5}{6} = \frac{\mathbf{3}}{\mathbf{7}} \times \frac{\mathbf{6}}{\mathbf{5}} = \frac{\mathbf{18}}{\mathbf{35}}$$

2

ABCDE

わり算をしましょう。

例

$$\frac{4}{15} \div \frac{2}{3} = \frac{\overset{2}{\cancel{4}}}{\underset{5}{\cancel{15}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{2}}} = \frac{2}{5}$$

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

$$12 \div \frac{3}{4} = \frac{12}{1} \div \frac{3}{4} = \frac{\cancel{12}}{1} \times \frac{4}{\cancel{3}} = \frac{16}{1} = 16$$

$$(1) \frac{3}{4} \div \frac{3}{7} = \frac{\overset{1}{\cancel{3}}}{4} \times \frac{7}{\cancel{3}} = \frac{7}{4} (= 1\frac{3}{4})$$

$$(2) \frac{7}{8} \div \frac{5}{8} = \frac{7}{\cancel{8}} \times \frac{\overset{1}{\cancel{8}}}{5} = \frac{7}{5} (= 1\frac{2}{5})$$

$$(3) \frac{8}{21} \div \frac{4}{7} = \frac{\overset{2}{\cancel{8}}}{\underset{3}{\cancel{21}}} \times \frac{\overset{1}{\cancel{7}}}{4} = \frac{2}{3}$$

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

$$(5) \frac{2}{3} \div 6 = \frac{2}{3} \div \frac{6}{1} = \frac{2}{3} \times \frac{1}{\cancel{6}} = \frac{1}{9}$$

$$(6) 20 \div \frac{4}{7} = \frac{20}{1} \div \frac{4}{7} = \frac{20}{1} \times \frac{7}{\cancel{4}} = \frac{35}{1} = 35$$

3

  
 ABCDE

わり算をしましょう。

$$(1) \quad \frac{7}{12} \div \frac{14}{15} = \frac{\overset{1}{\cancel{7}}}{\underset{4}{\cancel{12}}} \times \frac{\overset{5}{\cancel{15}}}{\underset{2}{\cancel{14}}} = \frac{5}{8}$$

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

$$(3) \quad 4 \div \frac{5}{8} = \frac{4}{1} \div \frac{5}{8} = \frac{4}{1} \times \frac{8}{5} = \frac{32}{5} (= 6\frac{2}{5})$$

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

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

$$(6) \quad \frac{4}{7} \div 8 = \frac{4}{7} \div \frac{8}{1} = \frac{\overset{1}{\cancel{4}}}{\underset{7}{\cancel{7}}} \times \frac{\underset{2}{\cancel{1}}}{\underset{8}{\cancel{8}}} = \frac{1}{14}$$

$$(7) \quad \frac{20}{27} \div \frac{8}{9} = \frac{\overset{5}{\cancel{20}}}{\underset{3}{\cancel{27}}} \times \frac{\overset{1}{\cancel{9}}}{\underset{2}{\cancel{8}}} = \frac{5}{6}$$

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

4  
ABCDE

わり算をしましょう。

$$\text{例} \quad 1\frac{3}{4} \div 1\frac{2}{5} = \frac{7}{4} \div \frac{7}{5} = \frac{\overset{1}{\cancel{7}}}{4} \times \frac{5}{\underset{1}{\cancel{7}}} = \frac{5}{4} (= 1\frac{1}{4})$$

$$(1) \quad 1\frac{1}{2} \div \frac{5}{7} = \frac{\mathbf{3} \div \mathbf{5}}{\mathbf{2} \div \mathbf{7}} = \frac{\mathbf{3}}{\mathbf{2}} \times \frac{\mathbf{7}}{\mathbf{5}} = \frac{\mathbf{21}}{\mathbf{10}}$$

$$(2) \quad 1\frac{5}{8} \div 2\frac{1}{3} = \frac{\mathbf{13} \div \mathbf{7}}{\mathbf{8} \div \mathbf{3}} = \frac{\mathbf{13}}{\mathbf{8}} \times \frac{\mathbf{3}}{\mathbf{7}} = \frac{\mathbf{39}}{\mathbf{56}}$$

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

$$(4) \quad 2\frac{2}{9} \div \frac{5}{6} = \frac{\mathbf{20} \div \mathbf{5}}{\mathbf{9} \div \mathbf{6}} = \frac{\overset{4}{\cancel{20}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{2}{\cancel{6}}}{\underset{1}{\cancel{5}}} = \frac{\mathbf{8}}{\mathbf{3}} (= 2\frac{2}{3})$$

$$(5) \quad 1\frac{2}{7} \div 1\frac{13}{14} = \frac{\mathbf{9} \div \mathbf{27}}{\mathbf{7} \div \mathbf{14}} = \frac{\overset{1}{\cancel{9}}}{\underset{1}{\cancel{7}}} \times \frac{\overset{2}{\cancel{14}}}{\underset{3}{\cancel{27}}} = \frac{\mathbf{2}}{\mathbf{3}}$$

$$(6) \quad 2\frac{2}{3} \div 1\frac{1}{9} = \frac{\mathbf{8} \div \mathbf{10}}{\mathbf{3} \div \mathbf{9}} = \frac{\overset{4}{\cancel{8}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{3}{\cancel{9}}}{\underset{5}{\cancel{10}}} = \frac{\mathbf{12}}{\mathbf{5}} (= 2\frac{2}{5})$$

$$(7) \quad 1\frac{5}{9} \div 2\frac{1}{3} = \frac{\mathbf{14} \div \mathbf{7}}{\mathbf{9} \div \mathbf{3}} = \frac{\overset{2}{\cancel{14}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{7}}} = \frac{\mathbf{2}}{\mathbf{3}}$$

5

  
 ABCDE

わり算をしましょう。

$$(1) \frac{4}{5} \div 1\frac{3}{5} = \frac{4}{5} \div \frac{8}{5} = \frac{4}{5} \times \frac{5}{8} = \frac{1}{2}$$

$$(2) 6 \div 2\frac{1}{4} = \frac{6}{1} \div \frac{9}{4} = \frac{6}{1} \times \frac{4}{9} = \frac{8}{3} (= 2\frac{2}{3})$$

$$(3) 2\frac{4}{5} \div 2\frac{2}{3} = \frac{14}{5} \div \frac{8}{3} = \frac{14}{5} \times \frac{3}{8} = \frac{21}{20}$$

$$(4) 1\frac{3}{5} \div 2\frac{2}{15} = \frac{8}{5} \div \frac{32}{15} = \frac{8}{5} \times \frac{15}{32} = \frac{3}{4}$$

$$(5) \frac{2}{3} \div 1\frac{5}{9} = \frac{2}{3} \div \frac{14}{9} = \frac{2}{3} \times \frac{9}{14} = \frac{3}{7}$$

$$(6) 1\frac{5}{9} \div 1\frac{1}{6} = \frac{14}{9} \div \frac{7}{6} = \frac{14}{9} \times \frac{6}{7} = \frac{4}{3} (= 1\frac{1}{3})$$

$$(7) 2\frac{1}{3} \div \frac{14}{15} = \frac{7}{3} \div \frac{14}{15} = \frac{7}{3} \times \frac{15}{14} = \frac{5}{2} (= 2\frac{1}{2})$$

$$(8) 2\frac{1}{4} \div 2\frac{5}{8} = \frac{9}{4} \div \frac{21}{8} = \frac{9}{4} \times \frac{8}{21} = \frac{6}{7}$$

6

ABCDE

計算をしましょう。

例

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

$$4 \div \frac{2}{3} \div 2 = \frac{4}{1} \div \frac{2}{3} \div \frac{2}{1} = \frac{\overset{1}{\cancel{4}}}{1} \times \frac{3}{\underset{1}{\cancel{2}}} \times \frac{1}{\underset{1}{\cancel{2}}} = \frac{3}{1} = 3$$

$$(1) \frac{2}{9} \times \frac{6}{7} \div \frac{5}{14} = \frac{\overset{2}{\cancel{2}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{2}{\cancel{6}}}{7} \times \frac{\overset{2}{\cancel{14}}}{5} = \frac{8}{15}$$

$$(2) \frac{7}{8} \div \frac{1}{2} \times \frac{4}{21} = \frac{\overset{1}{\cancel{7}}}{\underset{1}{\cancel{8}}} \times \frac{2}{\overset{1}{\cancel{1}}} \times \frac{\overset{1}{\cancel{4}}}{\underset{3}{\cancel{21}}} = \frac{1}{3}$$

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

$$(4) 6 \div \frac{2}{3} \div \frac{3}{4} = \frac{\overset{1}{\cancel{6}}}{1} \div \frac{2}{\overset{1}{\cancel{3}}} \div \frac{3}{4} = \frac{\overset{1}{\cancel{6}}}{1} \times \frac{\overset{1}{\cancel{3}}}{2} \times \frac{\overset{2}{\cancel{4}}}{3} = \frac{12}{1} = 12$$

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

7  
ABCDE

計算をしましょう。

例

$$0.6 \times \frac{2}{3} = \frac{\overset{1}{\cancel{6}}}{\underset{5}{\cancel{10}}} \times \frac{\cancel{2}}{\cancel{3}} = \frac{2}{5}$$

$$1.25 \div \frac{5}{6} = \frac{\overset{5}{\cancel{125}}}{\underset{4}{\cancel{100}}} \div \frac{5}{6} = \frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{4}}} \times \frac{\overset{3}{\cancel{6}}}{\underset{1}{\cancel{5}}} = \frac{3}{2}$$

$$(1) 0.06 \times \frac{20}{21} = \frac{\overset{2}{\cancel{6}}}{\underset{5}{\cancel{100}}} \times \frac{\overset{1}{\cancel{20}}}{\underset{7}{\cancel{21}}} = \frac{2}{35}$$

$$(2) 0.15 \times 40 = \frac{\overset{3}{\cancel{15}}}{\underset{1}{\cancel{100}}} \times \frac{\overset{2}{\cancel{40}}}{\underset{1}{\cancel{1}}} = \frac{6}{1} = 6$$

$$(3) 0.8 \div \frac{2}{3} = \frac{\overset{4}{\cancel{8}}}{\underset{5}{\cancel{10}}} \div \frac{2}{3} = \frac{\overset{2}{\cancel{4}}}{\underset{5}{\cancel{5}}} \times \frac{\overset{3}{\cancel{3}}}{\underset{1}{\cancel{2}}} = \frac{6}{5}$$

$$(4) 0.75 \div \frac{3}{4} = \frac{\overset{3}{\cancel{75}}}{\underset{4}{\cancel{100}}} \div \frac{3}{4} = \frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{4}}} \times \frac{\overset{1}{\cancel{4}}}{\underset{1}{\cancel{3}}} = \frac{1}{1} = 1$$

$$(5) 5\frac{1}{3} \times 2.25 = \frac{\overset{4}{\cancel{16}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{3}{\cancel{225}}}{\underset{4}{\cancel{100}}} = \frac{12}{1} = 12$$

8

ABCDE

計算をしましょう。

$$(1) \frac{3}{4} \times \frac{3}{5} \div 0.2 = \frac{\mathbf{3}}{\mathbf{4}} \times \frac{\mathbf{3}}{\mathbf{5}} \div \frac{\mathbf{2}}{\mathbf{10}} = \frac{\mathbf{3}}{\mathbf{4}} \times \frac{\mathbf{3}}{\mathbf{5}} \div \frac{\mathbf{1}}{\mathbf{5}} = \frac{\mathbf{9}}{\mathbf{4}} (=2\frac{\mathbf{1}}{\mathbf{4}})$$

$$(2) \frac{5}{12} \div 0.25 \div \frac{2}{3} = \frac{\mathbf{5}}{\mathbf{12}} \div \frac{\mathbf{25}}{\mathbf{100}} \div \frac{\mathbf{2}}{\mathbf{3}} = \frac{\mathbf{5}}{\mathbf{12}} \times \frac{\mathbf{4}}{\mathbf{1}} \times \frac{\mathbf{3}}{\mathbf{2}} = \frac{\mathbf{5}}{\mathbf{2}} (=2\frac{\mathbf{1}}{\mathbf{2}})$$

$$(3) \left(\frac{1}{2} + \frac{1}{3}\right) \times \frac{1}{5} = \left(\frac{\mathbf{3}}{\mathbf{6}} + \frac{\mathbf{2}}{\mathbf{6}}\right) \times \frac{\mathbf{1}}{\mathbf{5}} = \frac{\mathbf{5}}{\mathbf{6}} \times \frac{\mathbf{1}}{\mathbf{5}} = \frac{\mathbf{1}}{\mathbf{6}}$$

$$(4) \left(\frac{1}{2} - \frac{1}{3}\right) \div \frac{1}{12} = \left(\frac{\mathbf{3}}{\mathbf{6}} - \frac{\mathbf{2}}{\mathbf{6}}\right) \times \frac{\mathbf{12}}{\mathbf{1}} = \frac{\mathbf{1}}{\mathbf{6}} \times \frac{\mathbf{12}}{\mathbf{1}} = \frac{\mathbf{2}}{\mathbf{1}} = \mathbf{2}$$

$$(5) \frac{1}{4} \div \left(\frac{1}{8} - \frac{1}{16}\right) = \frac{\mathbf{1}}{\mathbf{4}} \div \left(\frac{\mathbf{2}}{\mathbf{16}} - \frac{\mathbf{1}}{\mathbf{16}}\right) = \frac{\mathbf{1}}{\mathbf{4}} \div \frac{\mathbf{1}}{\mathbf{16}} = \frac{\mathbf{1}}{\mathbf{4}} \times \frac{\mathbf{16}}{\mathbf{1}} = \frac{\mathbf{4}}{\mathbf{1}} = \mathbf{4}$$

$$(6) 1 \div \left(\frac{2}{3} + \frac{7}{12}\right) = \frac{\mathbf{1}}{\mathbf{1}} \div \left(\frac{\mathbf{8}}{\mathbf{12}} + \frac{\mathbf{7}}{\mathbf{12}}\right) = \frac{\mathbf{1}}{\mathbf{1}} \div \frac{\mathbf{15}}{\mathbf{12}} = \frac{\mathbf{1}}{\mathbf{1}} \times \frac{\mathbf{4}}{\mathbf{5}} = \frac{\mathbf{4}}{\mathbf{5}}$$

$$(7) \left(\frac{2}{5} + \frac{1}{2}\right) \times \left(\frac{2}{3} + \frac{1}{6}\right) = \left(\frac{\mathbf{4}}{\mathbf{10}} + \frac{\mathbf{5}}{\mathbf{10}}\right) \times \left(\frac{\mathbf{4}}{\mathbf{6}} + \frac{\mathbf{1}}{\mathbf{6}}\right) = \frac{\mathbf{9}}{\mathbf{10}} \times \frac{\mathbf{5}}{\mathbf{6}} = \frac{\mathbf{3}}{\mathbf{4}}$$