

分数と整数のわり算 (1)

名前 _____

【1】 次の計算をなさい。

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

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

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

$$(4) \frac{5}{12} \div 5 = \frac{\overset{1}{\cancel{5}}}{12 \times \underset{1}{\cancel{5}}} = \frac{1}{12}$$

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

$$(6) \frac{7}{15} \div 2 = \frac{7}{15 \times 2} = \frac{7}{30}$$

$$(7) \frac{15}{24} \div 5 = \frac{\overset{1}{\cancel{15}}}{\underset{8}{24} \times \underset{1}{\cancel{5}}} = \frac{1}{8}$$

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

$$(9) \frac{12}{11} \div 3 = \frac{\overset{4}{\cancel{12}}}{11 \times \underset{1}{\cancel{3}}} = \frac{4}{11}$$

$$(10) \frac{12}{5} \div 21 = \frac{\overset{4}{\cancel{12}}}{5 \times \underset{7}{\cancel{21}}} = \frac{4}{35}$$

$$(11) 1\frac{1}{11} \div 4 = \frac{\overset{3}{\cancel{12}}}{11 \times \underset{1}{\cancel{4}}} = \frac{3}{11}$$

$$(12) 2\frac{2}{8} \div 6 = \frac{\overset{3}{\cancel{18}}}{8 \times \underset{1}{\cancel{6}}} = \frac{3}{8}$$

$$(13) \frac{3}{5} \div 2 = \frac{3}{5 \times 2} = \frac{3}{10}$$

$$(14) \frac{4}{7} \div 6 = \frac{\overset{2}{\cancel{4}}}{7 \times \underset{3}{\cancel{6}}} = \frac{2}{21}$$

$$(15) \frac{3}{8} \div 6 = \frac{\overset{1}{\cancel{3}}}{8 \times \underset{2}{\cancel{6}}} = \frac{1}{16}$$

$$(16) \frac{9}{10} \div 3 = \frac{\overset{3}{\cancel{9}}}{10 \times \underset{1}{\cancel{3}}} = \frac{3}{10}$$

$$(17) \frac{5}{9} \div 4 = \frac{5}{9 \times 4} = \frac{5}{36}$$

$$(18) \frac{8}{13} \div 4 = \frac{\overset{2}{\cancel{8}}}{13 \times \underset{1}{\cancel{4}}} = \frac{2}{13}$$

$$(19) \frac{9}{15} \div 3 = \frac{\overset{1}{\cancel{9}}}{\underset{5}{15} \times \underset{1}{\cancel{3}}} = \frac{1}{5}$$

$$(20) \frac{14}{24} \div 3 = \frac{\overset{7}{\cancel{14}}}{\underset{12}{24} \times 3} = \frac{7}{36}$$

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

$$(22) \frac{16}{5} \div 4 = \frac{\overset{4}{\cancel{16}}}{5 \times \underset{1}{\cancel{4}}} = \frac{4}{5}$$

$$(23) 1\frac{1}{5} \div 3 = \frac{\overset{2}{\cancel{6}}}{5 \times \underset{1}{\cancel{3}}} = \frac{2}{5}$$

$$(24) 3\frac{1}{3} \div 5 = \frac{\overset{2}{\cancel{10}}}{3 \times \underset{1}{\cancel{5}}} = \frac{2}{3}$$

分数と整数のわり算 (2)

名前 _____

【1】 次の計算をなさい。

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

$$(2) \frac{12}{35} \div 8 = \frac{\overset{3}{\cancel{12}}}{35 \times \underset{2}{\cancel{8}}} = \frac{3}{70}$$

$$(3) \frac{27}{39} \div 18 = \frac{\overset{1}{\cancel{27}}}{\underset{13}{39} \times \underset{2}{\cancel{18}}} = \frac{1}{26}$$

$$(4) \frac{12}{45} \div 4 = \frac{\overset{1}{\cancel{12}}}{\underset{15}{45} \times \underset{1}{\cancel{4}}} = \frac{1}{15}$$

$$(5) \frac{23}{14} \div 2 = \frac{23}{14 \times 2} = \frac{23}{28}$$

$$(6) \frac{15}{57} \div 10 = \frac{\overset{1}{\cancel{15}}}{\underset{19}{57} \times \underset{2}{\cancel{10}}} = \frac{1}{38}$$

$$(7) \frac{17}{11} \div 5 = \frac{17}{11 \times 5} = \frac{17}{55}$$

$$(8) \frac{49}{13} \div 7 = \frac{\overset{7}{\cancel{49}}}{13 \times \underset{1}{\cancel{7}}} = \frac{7}{13}$$

$$(9) 3\frac{5}{6} \div 6 = \frac{23}{6 \times 6} = \frac{23}{36}$$

$$(10) 2\frac{4}{9} \div 6 = \frac{\overset{11}{\cancel{22}}}{9 \times \underset{3}{\cancel{6}}} = \frac{11}{27}$$

$$(11) 4\frac{2}{3} \div 16 = \frac{\overset{7}{\cancel{14}}}{3 \times \underset{8}{\cancel{16}}} = \frac{7}{24}$$

$$(12) 4\frac{5}{7} \div 11 = \frac{\overset{3}{\cancel{35}}}{7 \times \underset{1}{\cancel{11}}} = \frac{3}{7}$$

$$(13) \frac{8}{26} \div 2 = \frac{\overset{2}{\cancel{8}}}{\underset{13}{26} \times \underset{1}{\cancel{2}}} = \frac{2}{13}$$

$$(14) \frac{12}{42} \div 8 = \frac{\overset{1}{\cancel{12}}}{\underset{14}{42} \times \underset{2}{\cancel{8}}} = \frac{1}{28}$$

$$(15) \frac{21}{45} \div 14 = \frac{\overset{1}{\cancel{21}}}{\underset{15}{45} \times \underset{2}{\cancel{14}}} = \frac{1}{30}$$

$$(16) \frac{14}{56} \div 4 = \frac{\overset{1}{\cancel{14}}}{\underset{8}{56} \times \underset{2}{\cancel{4}}} = \frac{1}{16}$$

$$(17) \frac{28}{63} \div 2 = \frac{\overset{2}{\cancel{28}}}{\underset{9}{63} \times \underset{1}{\cancel{2}}} = \frac{2}{9}$$

$$(18) \frac{36}{81} \div 16 = \frac{\overset{1}{\cancel{36}}}{\underset{9}{81} \times \underset{4}{\cancel{16}}} = \frac{1}{36}$$

$$(19) \frac{15}{13} \div 5 = \frac{\overset{3}{\cancel{15}}}{13 \times \underset{1}{\cancel{5}}} = \frac{3}{13}$$

$$(20) \frac{21}{17} \div 7 = \frac{\overset{3}{\cancel{21}}}{17 \times \underset{1}{\cancel{7}}} = \frac{3}{17}$$

$$(21) 3\frac{3}{4} \div 6 = \frac{\overset{5}{\cancel{15}}}{4 \times \underset{2}{\cancel{6}}} = \frac{5}{8}$$

$$(22) 3\frac{4}{7} \div 5 = \frac{\overset{5}{\cancel{25}}}{7 \times \underset{1}{\cancel{5}}} = \frac{5}{7}$$

$$(23) 3\frac{10}{13} \div 14 = \frac{\overset{7}{\cancel{49}}}{13 \times \underset{2}{\cancel{14}}} = \frac{7}{26}$$

$$(24) 3\frac{5}{9} \div 24 = \frac{\overset{4}{\cancel{32}}}{9 \times \underset{3}{\cancel{24}}} = \frac{4}{27}$$

分数と整数のわり算 (3)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{1}{5} \div 2 = \frac{1}{5 \times 2} = \frac{1}{10}$$

$$(2) \frac{5}{8} \div 3 = \frac{5}{8 \times 3} = \frac{5}{24}$$

$$(3) \frac{4}{7} \div 2 = \frac{\cancel{4}^2}{7 \times \cancel{2}_1} = \frac{2}{7}$$

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

$$(5) \frac{4}{3} \div 8 = \frac{\cancel{4}^1}{3 \times \cancel{8}_2} = \frac{1}{6}$$

$$(6) \frac{8}{15} \div 4 = \frac{\cancel{8}^2}{15 \times \cancel{4}_1} = \frac{2}{15}$$

$$(7) \frac{9}{14} \div 3 = \frac{\cancel{9}^3}{14 \times \cancel{3}_1} = \frac{3}{14}$$

$$(8) \frac{16}{17} \div 12 = \frac{\cancel{16}^4}{17 \times \cancel{12}_3} = \frac{4}{51}$$

$$(9) \frac{7}{19} \div 14 = \frac{\cancel{7}^1}{19 \times \cancel{14}_2} = \frac{1}{38}$$

$$(10) \frac{21}{5} \div 7 = \frac{\cancel{21}^3}{5 \times \cancel{7}_1} = \frac{3}{5}$$

$$(11) 4\frac{1}{3} \div 4 = \frac{13}{3 \times 4} = \frac{13}{12} \quad \left(1\frac{1}{12}\right)$$

$$(12) 4\frac{1}{6} \div 5 = \frac{25}{6 \times \cancel{5}_1} = \frac{5}{6}$$

$$(13) \frac{8}{9} \div 2 = \frac{\cancel{8}^4}{9 \times \cancel{2}_1} = \frac{4}{9}$$

$$(14) \frac{15}{16} \div 6 = \frac{\cancel{15}^5}{16 \times \cancel{6}_2} = \frac{5}{32}$$

$$(15) \frac{11}{18} \div 22 = \frac{\cancel{11}^1}{18 \times \cancel{22}_2} = \frac{1}{36}$$

$$(16) \frac{18}{20} \div 12 = \frac{\cancel{18}^3}{20 \times \cancel{12}_2} = \frac{3}{40}$$

$$(17) \frac{16}{25} \div 4 = \frac{\cancel{16}^4}{25 \times \cancel{4}_1} = \frac{4}{25}$$

$$(18) \frac{4}{5} \div 6 = \frac{\cancel{4}^2}{5 \times \cancel{6}_3} = \frac{2}{15}$$

$$(19) \frac{9}{11} \div 12 = \frac{\cancel{9}^3}{11 \times \cancel{12}_4} = \frac{3}{44}$$

$$(20) \frac{25}{27} \div 10 = \frac{\cancel{25}^5}{27 \times \cancel{10}_2} = \frac{5}{54}$$

$$(21) \frac{16}{9} \div 24 = \frac{\cancel{16}^2}{9 \times \cancel{24}_3} = \frac{2}{27}$$

$$(22) \frac{24}{7} \div 15 = \frac{\cancel{24}^8}{7 \times \cancel{15}_5} = \frac{8}{35}$$

$$(23) 3\frac{1}{5} \div 4 = \frac{\cancel{16}^4}{5 \times \cancel{4}_1} = \frac{4}{5}$$

$$(24) 3\frac{3}{4} \div 3 = \frac{\cancel{15}^5}{4 \times \cancel{3}_1} = \frac{5}{4} \quad \left(1\frac{1}{4}\right)$$

分数と整数のわり算 (4)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{2}{7} \div 3 = \frac{2}{7 \times 3} = \frac{2}{21}$$

$$(2) \frac{1}{6} \div 4 = \frac{1}{6 \times 4} = \frac{1}{24}$$

$$(3) \frac{4}{5} \div 2 = \frac{\cancel{4}^2}{5 \times \cancel{2}_1} = \frac{2}{5}$$

$$(4) \frac{6}{11} \div 6 = \frac{\cancel{6}^1}{11 \times \cancel{6}_1} = \frac{1}{11}$$

$$(5) \frac{12}{9} \div 4 = \frac{\cancel{12}^1}{\cancel{9}_3 \times \cancel{4}_1} = \frac{1}{3}$$

$$(6) \frac{5}{12} \div 10 = \frac{\cancel{5}^1}{12 \times \cancel{10}_2} = \frac{1}{24}$$

$$(7) \frac{12}{13} \div 8 = \frac{\cancel{12}^3}{13 \times \cancel{8}_2} = \frac{3}{26}$$

$$(8) \frac{14}{16} \div 7 = \frac{\cancel{14}^1}{\cancel{16}_8 \times \cancel{7}_1} = \frac{1}{8}$$

$$(9) \frac{16}{21} \div 8 = \frac{\cancel{16}^2}{21 \times \cancel{8}_1} = \frac{2}{21}$$

$$(10) \frac{15}{7} \div 10 = \frac{\cancel{15}^3}{7 \times \cancel{10}_2} = \frac{3}{14}$$

$$(11) 2\frac{4}{5} \div 7 = \frac{\cancel{14}^2}{5 \times \cancel{7}_1} = \frac{2}{5}$$

$$(12) 1\frac{2}{7} \div 2 = \frac{9}{7 \times 2} = \frac{9}{14}$$

$$(13) \frac{7}{8} \div 5 = \frac{7}{8 \times 5} = \frac{7}{40}$$

$$(14) \frac{6}{15} \div 2 = \frac{\cancel{6}^1}{\cancel{15}_5 \times \cancel{2}_1} = \frac{1}{5}$$

$$(15) \frac{16}{19} \div 8 = \frac{\cancel{16}^2}{19 \times \cancel{8}_1} = \frac{2}{19}$$

$$(16) \frac{20}{21} \div 15 = \frac{\cancel{20}^4}{21 \times \cancel{15}_3} = \frac{4}{63}$$

$$(17) \frac{15}{24} \div 5 = \frac{\cancel{15}^1}{\cancel{24}_8 \times \cancel{5}_1} = \frac{1}{8}$$

$$(18) \frac{5}{7} \div 10 = \frac{\cancel{5}^1}{7 \times \cancel{10}_2} = \frac{1}{14}$$

$$(19) \frac{7}{8} \div 3 = \frac{7}{8 \times 3} = \frac{7}{24}$$

$$(20) \frac{24}{29} \div 16 = \frac{\cancel{24}^3}{29 \times \cancel{16}_2} = \frac{3}{58}$$

$$(21) \frac{8}{5} \div 12 = \frac{\cancel{8}^2}{5 \times \cancel{12}_3} = \frac{2}{15}$$

$$(22) \frac{27}{11} \div 18 = \frac{\cancel{27}^3}{11 \times \cancel{18}_2} = \frac{3}{22}$$

$$(23) 4\frac{2}{3} \div 4 = \frac{\cancel{14}^7}{\cancel{3}_3 \times \cancel{4}_2} = \frac{7}{6} \left(1\frac{1}{6}\right)$$

$$(24) 1\frac{1}{8} \div 12 = \frac{\cancel{9}^3}{8 \times \cancel{12}_4} = \frac{3}{32}$$

分数と整数のわり算 (5)

名前 _____

【1】 次の計算をなさい。

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

$$(2) \frac{21}{10} \div 3 = \frac{\overset{7}{\cancel{21}}}{10 \times \underset{1}{\cancel{3}}} = \frac{7}{10}$$

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

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

$$(5) \frac{16}{3} \div 8 = \frac{\overset{2}{\cancel{16}}}{3 \times \underset{1}{\cancel{8}}} = \frac{2}{3}$$

$$(6) \frac{7}{6} \div 5 = \frac{7}{6 \times 5} = \frac{7}{30}$$

$$(7) \frac{18}{7} \div 6 = \frac{\overset{3}{\cancel{18}}}{7 \times \underset{1}{\cancel{6}}} = \frac{3}{7}$$

$$(8) \frac{13}{3} \div 2 = \frac{13}{3 \times 2} = \frac{13}{6} \left(2\frac{1}{6}\right)$$

$$(9) \frac{11}{6} \div 3 = \frac{11}{6 \times 3} = \frac{11}{18}$$

$$(10) \frac{8}{9} \div 16 = \frac{\overset{1}{\cancel{8}}}{9 \times \underset{2}{\cancel{16}}} = \frac{1}{18}$$

$$(11) \frac{20}{9} \div 12 = \frac{\overset{5}{\cancel{20}}}{9 \times \underset{3}{\cancel{12}}} = \frac{5}{27}$$

$$(12) \frac{12}{5} \div 9 = \frac{\overset{4}{\cancel{12}}}{5 \times \underset{3}{\cancel{9}}} = \frac{4}{15}$$

$$(13) \frac{16}{7} \div 7 = \frac{16}{7 \times 7} = \frac{16}{49}$$

$$(14) \frac{15}{4} \div 6 = \frac{\overset{5}{\cancel{15}}}{4 \times \underset{2}{\cancel{6}}} = \frac{5}{8}$$

【2】 次の問題に答えなさい。

(1) $\frac{27}{4}$ kg のふくろは、3kg のふくろの何倍の重さがありますか。

$$\text{式} \quad \frac{27}{4} \div 3 = \frac{\overset{9}{\cancel{27}}}{4 \times \underset{1}{\cancel{3}}} = \frac{9}{4}$$

答え $\frac{9}{4}$ 倍 $\left(2\frac{1}{4}\right)$ 倍

(2) 面積が $\frac{28}{3}$ cm、高さが 4cm の平行四辺形の底辺は何 cm ですか。

$$\text{式} \quad \frac{28}{3} \div 4 = \frac{\overset{7}{\cancel{28}}}{3 \times \underset{1}{\cancel{4}}} = \frac{7}{3}$$

答え $\frac{7}{3}$ cm $\left(2\frac{1}{3}\right)$ cm

分数と整数のわり算 (6)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{13}{2} \div 6 = \frac{13}{2 \times 6} = \frac{13}{12} \left(1 \frac{1}{12}\right)$$

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

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

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

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

$$(6) \frac{16}{9} \div 10 = \frac{\overset{8}{\cancel{16}}}{9 \times \underset{5}{\cancel{10}}} = \frac{8}{45}$$

$$(7) \frac{5}{12} \div 5 = \frac{\overset{1}{\cancel{5}}}{12 \times \underset{1}{\cancel{5}}} = \frac{1}{12}$$

$$(8) \frac{7}{6} \div 2 = \frac{7}{6 \times 2} = \frac{7}{12}$$

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

$$(10) \frac{21}{10} \div 9 = \frac{\overset{7}{\cancel{21}}}{10 \times \underset{3}{\cancel{9}}} = \frac{7}{30}$$

$$(11) \frac{24}{5} \div 16 = \frac{\overset{3}{\cancel{24}}}{5 \times \underset{2}{\cancel{16}}} = \frac{3}{10}$$

$$(12) \frac{26}{7} \div 12 = \frac{\overset{13}{\cancel{26}}}{7 \times \underset{6}{\cancel{12}}} = \frac{13}{42}$$

$$(13) \frac{28}{5} \div 14 = \frac{\overset{2}{\cancel{28}}}{5 \times \underset{1}{\cancel{14}}} = \frac{2}{5}$$

$$(14) \frac{27}{4} \div 18 = \frac{\overset{3}{\cancel{27}}}{4 \times \underset{2}{\cancel{18}}} = \frac{3}{8}$$

【2】 次の問題に答えなさい。

(1) $\frac{21}{4}$ m のリボンを 6 人で等しく分けます。1 人当たりのリボンの長さは何 m ですか。

$$\text{式} \quad \frac{21}{4} \div 6 = \frac{\overset{7}{\cancel{21}}}{4 \times \underset{2}{\cancel{6}}} = \frac{7}{8}$$

答え $\frac{7}{8}$ m

(2) 2dL で $\frac{5}{4}$ m² を塗ることのできるペンキを 1dL 使うと、何 m² をぬれますか。

$$\text{式} \quad \frac{5}{4} \div 2 = \frac{5}{4 \times 2} = \frac{5}{8}$$

答え $\frac{5}{8}$ m²

分数と整数のわり算 (7)

名前 _____

【1】 次の計算をしなさい。

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

$$(2) \frac{7}{3} \div 2 = \frac{7}{3 \times 2} = \frac{7}{6} \left(1\frac{1}{6}\right)$$

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

$$(4) \frac{9}{4} \div 1 = \frac{9}{4 \times 1} = \frac{9}{4} \left(2\frac{1}{4}\right)$$

$$(5) \frac{10}{3} \div 4 = \frac{10}{3 \times 4} = \frac{5}{6}$$

$$(6) \frac{11}{2} \div 3 = \frac{11}{2 \times 3} = \frac{11}{6} \left(1\frac{5}{6}\right)$$

$$(7) \frac{15}{7} \div 10 = \frac{15}{7 \times 10} = \frac{3}{14}$$

$$(8) \frac{15}{8} \div 5 = \frac{15}{8 \times 5} = \frac{3}{8}$$

$$(9) \frac{28}{9} \div 7 = \frac{28}{9 \times 7} = \frac{4}{9}$$

$$(10) \frac{14}{9} \div 6 = \frac{14}{9 \times 6} = \frac{7}{27}$$

$$(11) \frac{25}{6} \div 10 = \frac{25}{6 \times 10} = \frac{5}{12}$$

$$(12) \frac{16}{5} \div 8 = \frac{16}{5 \times 8} = \frac{2}{5}$$

$$(13) \frac{45}{2} \div 9 = \frac{45}{2 \times 9} = \frac{5}{2} \left(2\frac{1}{2}\right)$$

$$(14) \frac{49}{11} \div 7 = \frac{49}{11 \times 7} = \frac{7}{11}$$

【2】 次の問題に答えなさい。

(1) 面積が $\frac{32}{5} \text{ cm}^2$ 、縦の長さが 6cm の長方形の、横の長さは何 cm ですか。

$$\text{式} \quad \frac{32}{5} \div 6 = \frac{32}{5 \times 6} = \frac{16}{15}$$

$$\text{答え} \quad \frac{16}{15} \text{ cm} \left(1\frac{1}{15} \text{ cm}\right)$$

(2) 10m で $\frac{25}{6} \text{ kg}$ のパイプの、1m あたりの重さは何 kg ですか。

$$\text{式} \quad \frac{25}{6} \div 10 = \frac{25}{6 \times 10} = \frac{5}{12}$$

$$\text{答え} \quad \frac{5}{12} \text{ kg}$$

分数と整数のわり算 (8)

名前 _____

【1】 次の計算をしなさい。

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

$$(2) \frac{7}{3} \div 2 = \frac{7}{3 \times 2} = \frac{7}{6} \left(1\frac{1}{6}\right)$$

$$(3) \frac{12}{7} \div 4 = \frac{\overset{3}{\cancel{12}}}{7 \times \underset{1}{\cancel{4}}} = \frac{3}{7}$$

$$(4) \frac{9}{4} \div 1 = \frac{9}{4 \times 1} = \frac{9}{4} \left(2\frac{1}{4}\right)$$

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

$$(6) \frac{11}{2} \div 3 = \frac{11}{2 \times 3} = \frac{11}{6} \left(1\frac{5}{6}\right)$$

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

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

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

$$(10) \frac{14}{9} \div 6 = \frac{\overset{7}{\cancel{14}}}{9 \times \underset{3}{\cancel{6}}} = \frac{7}{27}$$

$$(11) \frac{7}{4} \div 14 = \frac{\overset{1}{\cancel{7}}}{4 \times \underset{2}{\cancel{14}}} = \frac{1}{8}$$

$$(12) \frac{12}{7} \div 8 = \frac{\overset{3}{\cancel{12}}}{7 \times \underset{2}{\cancel{8}}} = \frac{3}{14}$$

$$(13) \frac{16}{11} \div 8 = \frac{\overset{2}{\cancel{16}}}{11 \times \underset{1}{\cancel{8}}} = \frac{2}{11}$$

$$(14) \frac{18}{13} \div 3 = \frac{\overset{6}{\cancel{18}}}{13 \times \underset{1}{\cancel{3}}} = \frac{6}{13}$$

【2】 次の問題に答えなさい。

(1) 10m あたり $\frac{25}{2}$ kg の棒があります。この棒 1m の重さは何 kg ですか

$$\text{式} \quad \frac{25}{2} \div 10 = \frac{\overset{5}{\cancel{25}}}{2 \times \underset{2}{\cancel{10}}} = \frac{5}{4}$$

$$\text{答え} \quad \frac{5}{4} \text{ kg} \left(1\frac{1}{4} \text{ kg}\right)$$

(2) $\frac{3}{2}$ L のジュースを 5 人で等しく分けると、1 人分は何 L になりますか。

$$\text{式} \quad \frac{3}{2} \div 5 = \frac{3}{2 \times 5} = \frac{3}{10}$$

$$\text{答え} \quad \frac{3}{10} \text{ L}$$

分数と整数のわり算 (9)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{30}{7} \div 5 = \frac{\overset{6}{\cancel{30}}}{7 \times \underset{1}{\cancel{5}}} = \frac{6}{7}$$

$$(2) \frac{5}{3} \div 4 = \frac{5}{3 \times 4} = \frac{5}{12}$$

$$(3) \frac{6}{5} \div 16 = \frac{\overset{3}{\cancel{6}}}{5 \times \underset{8}{\cancel{16}}} = \frac{3}{40}$$

$$(4) \frac{28}{3} \div 9 = \frac{28}{3 \times 9} = \frac{28}{27} \left(1\frac{1}{27}\right)$$

$$(5) \frac{42}{5} \div 6 = \frac{\overset{7}{\cancel{42}}}{5 \times \underset{1}{\cancel{6}}} = \frac{7}{5} \left(1\frac{2}{5}\right)$$

$$(6) \frac{15}{4} \div 10 = \frac{\overset{3}{\cancel{15}}}{4 \times \underset{2}{\cancel{10}}} = \frac{3}{8}$$

$$(7) \frac{1}{6} \div 9 = \frac{1}{6 \times 9} = \frac{1}{54}$$

$$(8) \frac{7}{10} \div 2 = \frac{7}{10 \times 2} = \frac{7}{20}$$

$$(9) \frac{56}{15} \div 8 = \frac{\overset{7}{\cancel{56}}}{15 \times \underset{1}{\cancel{8}}} = \frac{7}{15}$$

$$(10) \frac{18}{11} \div 12 = \frac{\overset{3}{\cancel{18}}}{11 \times \underset{2}{\cancel{12}}} = \frac{3}{22}$$

$$(11) \frac{49}{8} \div 7 = \frac{\overset{7}{\cancel{49}}}{8 \times \underset{1}{\cancel{7}}} = \frac{7}{8}$$

$$(12) \frac{24}{7} \div 18 = \frac{\overset{4}{\cancel{24}}}{7 \times \underset{3}{\cancel{18}}} = \frac{4}{21}$$

$$(13) \frac{35}{2} \div 15 = \frac{\overset{7}{\cancel{35}}}{2 \times \underset{3}{\cancel{15}}} = \frac{7}{6} \left(1\frac{1}{6}\right)$$

$$(14) \frac{36}{5} \div 20 = \frac{\overset{9}{\cancel{36}}}{5 \times \underset{5}{\cancel{20}}} = \frac{9}{25}$$

【2】 次の問題に答えなさい。

(1) $\frac{16}{5}$ m のひもを等しく 4 本に分けると、一本の長さは何 m になりますか。

$$\text{式} \quad \frac{16}{5} \div 4 = \frac{\overset{4}{\cancel{16}}}{5 \times \underset{1}{\cancel{4}}} = \frac{4}{5}$$

答え
 $\frac{4}{5}$ m

(2) 7m で $\frac{49}{4}$ kg の棒があります。この棒 1m あたりの重さは何 kg ですか。

$$\text{式} \quad \frac{49}{4} \div 7 = \frac{\overset{7}{\cancel{49}}}{4 \times \underset{1}{\cancel{7}}} = \frac{7}{4}$$

答え
 $\frac{7}{4}$ kg $\left(1\frac{3}{4}\text{kg}\right)$