

分数と整数のかけ算 (1)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{1}{5} \times 3 = \frac{3}{5}$$

$$(2) \frac{4}{9} \times 2 = \frac{8}{9}$$

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

$$(4) \frac{2}{7} \times 4 = \frac{8}{7} \left(1\frac{1}{7}\right)$$

$$(5) 4 \times \frac{3}{9} = \frac{4 \times \cancel{3}^1}{\cancel{9}_3} = \frac{4}{3} \left(1\frac{1}{3}\right)$$

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

$$(7) \frac{5}{12} \times 2 = \frac{5 \times \cancel{2}^1}{\cancel{12}_6} = \frac{5}{6}$$

$$(8) 8 \times \frac{3}{32} = \frac{\cancel{8}^1 \times 3}{\cancel{32}_4} = \frac{3}{4}$$

$$(9) \frac{2}{21} \times 15 = \frac{2 \times \cancel{15}^5}{\cancel{21}_7} = \frac{10}{7} \left(1\frac{3}{7}\right)$$

$$(10) 6 \times \frac{18}{72} = \frac{\cancel{6}^3 \times \cancel{18}^1}{\cancel{72}_2} = \frac{3}{2} \left(1\frac{1}{2}\right)$$

$$(11) 1\frac{3}{4} \times 8 = \frac{7 \times \cancel{8}^2}{\cancel{4}_1} = 14$$

$$(12) 9 \times 1\frac{1}{6} = \frac{\cancel{9}^3 \times 7}{\cancel{6}_2} = \frac{21}{2} \left(10\frac{1}{2}\right)$$

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

$$(14) \frac{2}{7} \times 3 = \frac{6}{7}$$

$$(15) 4 \times \frac{4}{21} = \frac{16}{21}$$

$$(16) \frac{3}{28} \times 5 = \frac{15}{28}$$

$$(17) \frac{5}{24} \times 4 = \frac{5 \times \cancel{4}^1}{\cancel{24}_6} = \frac{5}{6}$$

$$(18) \frac{3}{11} \times 4 = \frac{12}{11} \left(1\frac{1}{11}\right)$$

$$(19) \frac{4}{3} \times 2 = \frac{8}{3} \left(2\frac{2}{3}\right)$$

$$(20) \frac{3}{38} \times 6 = \frac{3 \times \cancel{6}^3}{\cancel{38}_{19}} = \frac{9}{19}$$

$$(21) \frac{3}{32} \times 8 = \frac{3 \times \cancel{8}^1}{\cancel{32}_4} = \frac{3}{4}$$

$$(22) 7 \times \frac{11}{42} = \frac{\cancel{7}^1 \times 11}{\cancel{42}_6} = \frac{11}{6} \left(1\frac{5}{6}\right)$$

$$(23) 1\frac{3}{7} \times 2 = \frac{10 \times 2}{7} = \frac{20}{7} \left(2\frac{6}{7}\right)$$

$$(24) 6 \times 1\frac{2}{9} = \frac{\cancel{6}^2 \times 11}{\cancel{9}_3} = \frac{22}{3} \left(7\frac{1}{3}\right)$$

分数と整数のかけ算 (2)

名前 _____

【1】 次の計算をなさい。

$$(1) 7 \times \frac{5}{21} = \frac{\cancel{7}^1 \times 5}{\cancel{21}_3} = \frac{5}{3} \left(1\frac{2}{3}\right)$$

$$(2) \frac{3}{8} \times 2 = \frac{3 \times \cancel{2}^1}{\cancel{8}_4} = \frac{3}{4}$$

$$(3) 6 \times \frac{9}{20} = \frac{\cancel{6}^3 \times 9}{\cancel{20}_{10}} = \frac{27}{10} \left(2\frac{7}{10}\right)$$

$$(4) \frac{4}{25} \times 3 = \frac{4 \times 3}{25} = \frac{12}{25}$$

$$(5) \frac{3}{15} \times 9 = \frac{\cancel{3}^1 \times 9}{\cancel{15}_5} = \frac{9}{5} \left(1\frac{4}{5}\right)$$

$$(6) \frac{5}{18} \times 4 = \frac{5 \times \cancel{4}^2}{\cancel{18}_9} = \frac{10}{9} \left(1\frac{1}{9}\right)$$

$$(7) \frac{3}{2} \times 7 = \frac{3 \times 7}{2} = \frac{21}{2} \left(10\frac{1}{2}\right)$$

$$(8) \frac{6}{35} \times 7 = \frac{6 \times \cancel{7}^1}{\cancel{35}_5} = \frac{6}{5} \left(1\frac{1}{5}\right)$$

$$(9) \frac{5}{33} \times 6 = \frac{5 \times \cancel{6}^2}{\cancel{33}_{11}} = \frac{10}{11}$$

$$(10) 5 \times \frac{13}{45} = \frac{\cancel{5}^1 \times 13}{\cancel{45}_9} = \frac{13}{9} \left(1\frac{4}{9}\right)$$

$$(11) 2\frac{1}{6} \times 4 = \frac{13}{6} \times 4 = \frac{13 \times \cancel{4}^2}{\cancel{6}_3} = \frac{26}{3} \left(8\frac{2}{3}\right)$$

$$(12) 3 \times 2\frac{4}{9} = 3 \times \frac{22}{9} = \frac{\cancel{3}^1 \times 22}{\cancel{9}_3} = \frac{22}{3} \left(7\frac{1}{3}\right)$$

$$(13) \frac{3}{7} \times 2 = \frac{3 \times 2}{7} = \frac{6}{7}$$

$$(14) \frac{4}{15} \times 3 = \frac{4 \times \cancel{3}^1}{\cancel{15}_5} = \frac{4}{5}$$

$$(15) 4 \times \frac{5}{12} = \frac{\cancel{4}^1 \times 5}{\cancel{12}_3} = \frac{5}{3} \left(1\frac{2}{3}\right)$$

$$(16) \frac{5}{9} \times 2 = \frac{5 \times 2}{9} = \frac{10}{9} \left(1\frac{1}{9}\right)$$

$$(17) 5 \times \frac{8}{45} = \frac{\cancel{5}^1 \times 8}{\cancel{45}_9} = \frac{8}{9}$$

$$(18) \frac{8}{49} \times 7 = \frac{8 \times \cancel{7}^1}{\cancel{49}_7} = \frac{8}{7} \left(1\frac{1}{7}\right)$$

$$(19) \frac{3}{36} \times 16 = \frac{\cancel{3}^1 \times \cancel{16}^4}{\cancel{36}_3} = \frac{4}{3} \left(1\frac{1}{3}\right)$$

$$(20) 22 \times \frac{2}{55} = \frac{\cancel{22}^2 \times 2}{\cancel{55}_5} = \frac{4}{5}$$

$$(21) \frac{33}{81} \times 6 = \frac{\cancel{33}^{11} \times \cancel{6}^2}{\cancel{81}_9} = \frac{22}{9} \left(2\frac{4}{9}\right)$$

$$(22) 14 \times \frac{3}{91} = \frac{\cancel{14}^2 \times 3}{\cancel{91}_{13}} = \frac{6}{13}$$

$$(23) 3\frac{1}{3} \times 2 = \frac{10 \times 2}{3} = \frac{20}{3} \left(6\frac{2}{3}\right)$$

$$(24) 4 \times 1\frac{2}{5} = \frac{4 \times 7}{5} = \frac{28}{5} \left(5\frac{3}{5}\right)$$

分数と整数のかけ算 (3)

名前 _____

【1】 次の計算をなさい。

$$(1) 5 \times \frac{1}{7} = \frac{5 \times 1}{7} = \frac{5}{7}$$

$$(2) \frac{7}{8} \times 3 = \frac{7 \times 3}{8} = \frac{21}{8} \left(2\frac{5}{8}\right)$$

$$(3) 2 \times \frac{5}{12} = \frac{\cancel{2}^1 \times 5}{\cancel{12}_6} = \frac{5}{6}$$

$$(4) \frac{2}{13} \times 4 = \frac{2 \times 4}{13} = \frac{8}{13}$$

$$(5) \frac{2}{3} \times 2 = \frac{2 \times 2}{3} = \frac{4}{3} \left(1\frac{1}{3}\right)$$

$$(6) \frac{1}{14} \times 7 = \frac{1 \times \cancel{7}^1}{\cancel{14}_2} = \frac{1}{2}$$

$$(7) \frac{2}{21} \times 9 = \frac{2 \times \cancel{9}^3}{\cancel{21}_7} = \frac{6}{7}$$

$$(8) \frac{3}{16} \times 8 = \frac{3 \times \cancel{8}^1}{\cancel{16}_2} = \frac{3}{2} \left(1\frac{1}{2}\right)$$

$$(9) \frac{4}{25} \times 15 = \frac{4 \times \cancel{15}^3}{\cancel{25}_5} = \frac{12}{5} \left(2\frac{2}{5}\right)$$

$$(10) 5 \times \frac{2}{11} = \frac{5 \times 2}{11} = \frac{10}{11}$$

$$(11) 1\frac{2}{5} \times 5 = \frac{7 \times \cancel{5}^1}{\cancel{5}_1} = 7$$

$$(12) 3 \times 2\frac{1}{2} = \frac{3 \times 5}{2} = \frac{15}{2} \left(7\frac{1}{2}\right)$$

$$(13) 8 \times \frac{3}{4} = \frac{\cancel{8}^2 \times 3}{\cancel{4}_1} = 6$$

$$(14) \frac{5}{9} \times 2 = \frac{5 \times 2}{9} = \frac{10}{9} \left(1\frac{1}{9}\right)$$

$$(15) 4 \times \frac{5}{6} = \frac{\cancel{4}^2 \times 5}{\cancel{6}_3} = \frac{10}{3} \left(3\frac{1}{3}\right)$$

$$(16) \frac{9}{24} \times 14 = \frac{\cancel{9}^3 \times \cancel{14}^7}{\cancel{24}_4} = \frac{21}{4} \left(5\frac{1}{4}\right)$$

$$(17) \frac{4}{30} \times 6 = \frac{4 \times \cancel{6}^1}{\cancel{30}_5} = \frac{4}{5}$$

$$(18) \frac{2}{27} \times 12 = \frac{2 \times \cancel{12}^4}{\cancel{27}_9} = \frac{8}{9}$$

$$(19) \frac{7}{23} \times 3 = \frac{7 \times 3}{23} \left(\frac{21}{23}\right)$$

$$(20) \frac{5}{64} \times 8 = \frac{5 \times \cancel{8}^1}{\cancel{64}_8} = \frac{5}{8}$$

$$(21) \frac{4}{81} \times 18 = \frac{4 \times \cancel{18}^2}{\cancel{81}_9} = \frac{8}{9}$$

$$(22) 16 \times \frac{13}{56} = \frac{\cancel{16}^2 \times 13}{\cancel{56}_7} = \frac{26}{7} \left(3\frac{5}{7}\right)$$

$$(23) 2\frac{1}{3} \times 6 = \frac{7 \times \cancel{6}^2}{\cancel{3}_1} = 14$$

$$(24) 1\frac{1}{12} \times 4 = \frac{13 \times \cancel{4}^1}{\cancel{12}_3} = \frac{13}{3} \left(4\frac{1}{3}\right)$$

分数と整数のかけ算 (4)

名前 _____

【1】 次の計算をなさい。

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

$$(2) \frac{4}{9} \times 2 = \frac{4 \times 2}{9} = \frac{8}{9}$$

$$(3) 4 \times \frac{2}{11} = \frac{4 \times 2}{11} = \frac{8}{11}$$

$$(4) \frac{3}{8} \times 3 = \frac{3 \times 3}{8} = \frac{9}{8} \left(1\frac{1}{8}\right)$$

$$(5) \frac{7}{12} \times 6 = \frac{7 \times \cancel{6}^1}{\cancel{12}_2} = \frac{7}{2} \left(3\frac{1}{2}\right)$$

$$(6) \frac{3}{24} \times 7 = \frac{\cancel{3}^1 \times 7}{\cancel{24}_8} = \frac{7}{8}$$

$$(7) \frac{3}{2} \times 3 = \frac{9}{2} \left(4\frac{1}{2}\right)$$

$$(8) \frac{5}{18} \times 9 = \frac{5 \times \cancel{9}^1}{\cancel{18}_2} = \frac{5}{2} \left(2\frac{1}{2}\right)$$

$$(9) \frac{2}{13} \times 5 = \frac{2 \times 5}{13} = \frac{10}{13}$$

$$(10) 4 \times \frac{3}{14} = \frac{\cancel{4}^2 \times 3}{\cancel{14}_7} = \frac{6}{7}$$

$$(11) 1\frac{2}{3} \times 2 = \frac{5 \times 2}{3} = \frac{10}{3} \left(3\frac{1}{3}\right)$$

$$(12) 14 \times 1\frac{1}{7} = \frac{\cancel{14}^2 \times 8}{\cancel{7}_1} = 16$$

$$(13) 6 \times \frac{5}{8} = \frac{\cancel{6}^3 \times 5}{\cancel{8}_4} = \frac{15}{4} \left(3\frac{3}{4}\right)$$

$$(14) \frac{5}{6} \times 12 = \frac{5 \times \cancel{12}^2}{\cancel{6}_1} = 10$$

$$(15) 2 \times \frac{3}{7} = \frac{2 \times 3}{7} = \frac{6}{7}$$

$$(16) \frac{5}{26} \times 4 = \frac{5 \times \cancel{4}^2}{\cancel{26}_{13}} = \frac{10}{13}$$

$$(17) \frac{3}{32} \times 8 = \frac{3 \times \cancel{8}^1}{\cancel{32}_4} = \frac{3}{4}$$

$$(18) \frac{7}{34} \times 4 = \frac{7 \times \cancel{4}^2}{\cancel{34}_{17}} = \frac{14}{17}$$

$$(19) \frac{7}{45} \times 9 = \frac{7 \times \cancel{9}^1}{\cancel{45}_5} = \frac{7}{5} \left(1\frac{2}{5}\right)$$

$$(20) \frac{7}{55} \times 22 = \frac{7 \times \cancel{22}^2}{\cancel{55}_5} = \frac{14}{5} \left(2\frac{4}{5}\right)$$

$$(21) \frac{7}{72} \times 16 = \frac{7 \times \cancel{16}^2}{\cancel{72}_9} = \frac{14}{9} \left(1\frac{5}{9}\right)$$

$$(22) 26 \times \frac{5}{91} = \frac{\cancel{26}^2 \times 5}{\cancel{91}_7} = \frac{10}{7} \left(1\frac{3}{7}\right)$$

$$(23) 1\frac{1}{7} \times 2 = \frac{8 \times 2}{7} = \frac{16}{7} \left(2\frac{2}{7}\right)$$

$$(24) 1\frac{4}{15} \times 3 = \frac{19 \times \cancel{3}^1}{\cancel{15}_5} = \frac{19}{5} \left(3\frac{4}{5}\right)$$

分数と整数のかけ算 (5)

名前 _____

【1】 次の計算をしなさい。

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

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

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

$$(4) 8 \times \frac{4}{7} = \frac{8 \times 4}{7} = \frac{32}{7} \left(4\frac{4}{7}\right)$$

$$(5) \frac{2}{5} \times 15 = \frac{2 \times \overset{3}{\cancel{15}}}{\underset{1}{\cancel{5}}} = 6$$

$$(6) 2 \times \frac{8}{11} = \frac{2 \times 8}{11} = \frac{16}{11} \left(1\frac{5}{11}\right)$$

$$(7) \frac{7}{12} \times 9 = \frac{7 \times \overset{3}{\cancel{9}}}{\underset{4}{\cancel{12}}} = \frac{21}{4} \left(5\frac{1}{4}\right)$$

$$(8) 5 \times \frac{5}{9} = \frac{5 \times 5}{9} = \frac{25}{9} \left(2\frac{7}{9}\right)$$

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

$$(10) 12 \times \frac{5}{8} = \frac{\overset{3}{\cancel{12}} \times 5}{\underset{2}{\cancel{8}}} = \frac{15}{2} \left(7\frac{1}{2}\right)$$

$$(11) \frac{3}{10} \times 7 = \frac{3 \times 7}{10} = \frac{21}{10} \left(2\frac{1}{10}\right)$$

$$(12) 10 \times \frac{3}{4} = \frac{\overset{5}{\cancel{10}} \times 3}{\underset{2}{\cancel{4}}} = \frac{15}{2} \left(7\frac{1}{2}\right)$$

$$(13) \frac{2}{7} \times 2 = \frac{2 \times 2}{7} = \frac{4}{7}$$

$$(14) 6 \times \frac{7}{9} = \frac{\overset{2}{\cancel{6}} \times 7}{\underset{3}{\cancel{9}}} = \frac{14}{3} \left(4\frac{2}{3}\right)$$

【2】 次の問題に答えなさい

(1) 1本のペットボトルには水が $\frac{3}{2}$ L 入っています。ペットボトル5本には、水が合計何L入っていますか。

$$\text{式 } \frac{3}{2} \times 5 = \frac{3 \times 5}{2} = \frac{15}{2}$$

$$\text{答え } \underline{\underline{\frac{15}{2} \text{ L } \left(7\frac{1}{2} \text{ L}\right)}}$$

(2) ペンキ 1dL で壁を $\frac{4}{5}$ m² 塗ることができます。ペンキ 1L で壁を何 m² 塗ることができますか。

$$\text{式 } \frac{4}{5} \times 10 = \frac{4 \times \overset{2}{\cancel{10}}}{\underset{1}{\cancel{5}}} = 8 \quad \text{※}1\text{L} = 10\text{dL}$$

$$\text{答え } \underline{\underline{8 \text{ m}^2}}$$

分数と整数のかけ算 (6)

名前 _____

【1】 次の計算をしなさい。

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

$$(2) 10 \times \frac{7}{15} = \frac{\overset{2}{\cancel{10}} \times 7}{\underset{3}{\cancel{15}}} = \frac{14}{3} \left(4\frac{2}{3}\right)$$

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

$$(4) 4 \times \frac{5}{12} = \frac{\overset{1}{\cancel{4}} \times 5}{\underset{3}{\cancel{12}}} = \frac{5}{3} \left(1\frac{2}{3}\right)$$

$$(5) \frac{5}{8} \times 6 = \frac{5 \times \overset{3}{\cancel{6}}}{\underset{4}{\cancel{8}}} = \frac{15}{4} \left(3\frac{3}{4}\right)$$

$$(6) 15 \times \frac{2}{5} = \frac{\overset{3}{\cancel{15}} \times 2}{\underset{1}{\cancel{5}}} = 6$$

$$(7) \frac{6}{11} \times 2 = \frac{6 \times 2}{11} = \frac{12}{11} \left(1\frac{1}{11}\right)$$

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

$$(9) \frac{5}{6} \times 2 = \frac{5 \times \overset{1}{\cancel{2}}}{\underset{3}{\cancel{6}}} = \frac{5}{3} \left(1\frac{2}{3}\right)$$

$$(10) 4 \times \frac{4}{7} = \frac{4 \times 4}{7} = \frac{16}{7} \left(2\frac{2}{7}\right)$$

$$(11) \frac{3}{14} \times 3 = \frac{3 \times 3}{14} = \frac{9}{14}$$

$$(12) 12 \times \frac{4}{9} = \frac{\overset{4}{\cancel{12}} \times 4}{\underset{3}{\cancel{9}}} = \frac{16}{3} \left(5\frac{1}{3}\right)$$

$$(13) \frac{7}{12} \times 10 = \frac{7 \times \overset{5}{\cancel{10}}}{\underset{6}{\cancel{12}}} = \frac{35}{6} \left(5\frac{5}{6}\right)$$

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

【2】 次の問題に答えなさい

(1) 分速 $\frac{1}{13}$ km で歩く人は、9分間で何 km 進みますか。

$$\text{式 } \frac{1}{13} \times 9 = \frac{1 \times 9}{13} = \frac{9}{13}$$

答え $\frac{9}{13}$ km

(2) たて $\frac{5}{4}$ cm、横 2cm の長方形の面積は何 cm^2 ですか。

$$\text{式 } \frac{5}{4} \times 2 = \frac{5 \times \overset{1}{\cancel{2}}}{\underset{2}{\cancel{4}}} = \frac{5}{2}$$

答え $\frac{5}{2} \text{ cm}^2$ $\left(2\frac{1}{2} \text{ cm}^2\right)$

分数と整数のかけ算 (7)

名前 _____

【1】 次の計算をなさい。

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

$$(2) 7 \times \frac{3}{4} = \frac{7 \times 3}{4} = \frac{21}{4} \left(5\frac{1}{4}\right)$$

$$(3) \frac{4}{9} \times 15 = \frac{4 \times \overset{5}{\cancel{15}}}{\underset{3}{\cancel{9}}} = \frac{20}{3} \left(6\frac{2}{3}\right)$$

$$(4) 3 \times \frac{5}{6} = \frac{\overset{1}{\cancel{3}} \times 5}{\underset{2}{\cancel{6}}} = \frac{5}{2} \left(2\frac{1}{2}\right)$$

$$(5) \frac{7}{8} \times 6 = \frac{7 \times \overset{3}{\cancel{6}}}{\underset{4}{\cancel{8}}} = \frac{21}{4} \left(5\frac{1}{4}\right)$$

$$(6) 8 \times \frac{5}{12} = \frac{\overset{2}{\cancel{8}} \times 5}{\underset{3}{\cancel{12}}} = \frac{10}{3} \left(3\frac{1}{3}\right)$$

$$(7) \frac{11}{14} \times 4 = \frac{11 \times \overset{2}{\cancel{4}}}{\underset{7}{\cancel{14}}} = \frac{22}{7} \left(3\frac{1}{7}\right)$$

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

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

$$(10) 10 \times \frac{7}{4} = \frac{\overset{5}{\cancel{10}} \times 7}{\underset{2}{\cancel{4}}} = \frac{35}{2} \left(17\frac{1}{2}\right)$$

$$(11) \frac{4}{3} \times 7 = \frac{4 \times 7}{3} = \frac{28}{3} \left(9\frac{1}{3}\right)$$

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

$$(13) \frac{7}{3} \times 6 = \frac{7 \times \overset{2}{\cancel{6}}}{\underset{1}{\cancel{3}}} = 14$$

$$(14) 18 \times \frac{13}{12} = \frac{\overset{3}{\cancel{18}} \times 13}{\underset{2}{\cancel{12}}} = \frac{39}{2} \left(19\frac{1}{2}\right)$$

【2】 次の問題に答えなさい

(1) 1m あたり $\frac{1}{4}$ kg の棒があります。この棒 8m の重さは何 kg ですか。

$$\text{式 } \frac{1}{4} \times 8 = \frac{1 \times \overset{2}{\cancel{8}}}{\underset{1}{\cancel{4}}} = 2$$

答え 2kg

(2) 1L あたり 40g の食塩を含む食塩水があります。この食塩水 $\frac{1}{6}$ L に食塩は何 g 含まれていますか。

$$\text{式 } 40 \times \frac{1}{6} = \frac{\overset{20}{\cancel{40}} \times 1}{\underset{3}{\cancel{6}}} = \frac{20}{3}$$

答え $\frac{20}{3}$ g $\left(6\frac{2}{3}$ g)

分数と整数のかけ算 (8)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{3}{10} \times 15 = \frac{3 \times \overset{3}{\cancel{15}}}{\underset{2}{\cancel{10}}} = \frac{9}{2} \left(4\frac{1}{2}\right)$$

$$(2) 6 \times \frac{11}{18} = \frac{\overset{1}{\cancel{6}} \times 11}{\underset{3}{\cancel{18}}} = \frac{11}{3} \left(3\frac{2}{3}\right)$$

$$(3) \frac{9}{16} \times 6 = \frac{9 \times \overset{3}{\cancel{6}}}{\underset{8}{\cancel{16}}} = \frac{27}{8} \left(3\frac{3}{8}\right)$$

$$(4) 8 \times \frac{7}{20} = \frac{\overset{2}{\cancel{8}} \times 7}{\underset{5}{\cancel{20}}} = \frac{14}{5} \left(2\frac{4}{5}\right)$$

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

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

$$(7) \frac{5}{12} \times 10 = \frac{5 \times \overset{5}{\cancel{10}}}{\underset{6}{\cancel{12}}} = \frac{25}{6} \left(4\frac{1}{6}\right)$$

$$(8) 7 \times \frac{2}{9} = \frac{7 \times 2}{9} = \frac{14}{9} \left(1\frac{5}{9}\right)$$

$$(9) \frac{7}{4} \times 2 = \frac{7 \times \overset{1}{\cancel{2}}}{\underset{2}{\cancel{4}}} = \frac{7}{2} \left(3\frac{1}{2}\right)$$

$$(10) 5 \times \frac{4}{3} = \frac{5 \times 4}{3} = \frac{20}{3} \left(6\frac{2}{3}\right)$$

$$(11) \frac{5}{2} \times 4 = \frac{5 \times \overset{2}{\cancel{4}}}{\underset{1}{\cancel{2}}} = 10$$

$$(12) 3 \times \frac{8}{5} = \frac{3 \times 8}{5} = \frac{24}{5} \left(4\frac{4}{5}\right)$$

$$(13) \frac{9}{8} \times 6 = \frac{9 \times \overset{3}{\cancel{6}}}{\underset{4}{\cancel{8}}} = \frac{27}{4} \left(6\frac{3}{4}\right)$$

$$(14) 9 \times \frac{11}{6} = \frac{\overset{3}{\cancel{9}} \times 11}{\underset{2}{\cancel{6}}} = \frac{33}{2} \left(16\frac{1}{2}\right)$$

【2】 次の問題に答えなさい

(1) 分速 80m で歩く人は、 $\frac{5}{4}$ 分で何 m 進みますか。

$$\text{式 } 80 \times \frac{5}{4} = \frac{\overset{20}{\cancel{80}} \times 5}{\underset{1}{\cancel{4}}} = 100$$

答え 100m

(2) 1m あたりの重さが 3kg のパイプがあります。このパイプ $\frac{5}{6}$ m の重さは何 kg ですか。

$$\text{式 } 3 \times \frac{5}{6} = \frac{\overset{1}{\cancel{3}} \times 5}{\underset{2}{\cancel{6}}} = \frac{5}{2}$$

答え $\frac{5}{2}$ kg $\left(2\frac{1}{2}\text{kg}\right)$

分数と整数のかけ算 (9)

名前 _____

【1】 次の計算をしなさい。

$$(1) \frac{3}{10} \times 8 = \frac{3 \times \overset{4}{\cancel{8}}}{\underset{5}{\cancel{10}}} = \frac{12}{5} \left(2\frac{2}{5}\right)$$

$$(2) 12 \times \frac{7}{30} = \frac{\overset{2}{\cancel{12}} \times 7}{\underset{5}{\cancel{30}}} = \frac{14}{5} \left(2\frac{4}{5}\right)$$

$$(3) \frac{8}{25} \times 15 = \frac{8 \times \overset{3}{\cancel{15}}}{\underset{5}{\cancel{25}}} = \frac{24}{5} \left(4\frac{4}{5}\right)$$

$$(4) 21 \times \frac{9}{28} = \frac{\overset{3}{\cancel{21}} \times 9}{\underset{4}{\cancel{28}}} = \frac{27}{4} \left(6\frac{3}{4}\right)$$

$$(5) \frac{5}{24} \times 12 = \frac{5 \times \overset{1}{\cancel{12}}}{\underset{2}{\cancel{24}}} = \frac{5}{2} \left(2\frac{1}{2}\right)$$

$$(6) 16 \times \frac{1}{12} = \frac{\overset{4}{\cancel{16}} \times 1}{\underset{3}{\cancel{12}}} = \frac{4}{3} \left(1\frac{1}{3}\right)$$

$$(7) \frac{5}{6} \times 4 = \frac{5 \times \overset{2}{\cancel{4}}}{\underset{3}{\cancel{6}}} = \frac{10}{3} \left(3\frac{1}{3}\right)$$

$$(8) 14 \times \frac{7}{18} = \frac{\overset{7}{\cancel{14}} \times 7}{\underset{9}{\cancel{18}}} = \frac{49}{9} \left(5\frac{4}{9}\right)$$

$$(9) \frac{4}{21} \times 7 = \frac{4 \times \overset{1}{\cancel{7}}}{\underset{3}{\cancel{21}}} = \frac{4}{3} \left(1\frac{1}{3}\right)$$

$$(10) 3 \times \frac{11}{6} = \frac{\overset{1}{\cancel{3}} \times 11}{\underset{2}{\cancel{6}}} = \frac{11}{2} \left(5\frac{1}{2}\right)$$

$$(11) \frac{8}{5} \times 3 = \frac{8 \times 3}{5} = \frac{24}{5} \left(4\frac{4}{5}\right)$$

$$(12) 8 \times \frac{5}{4} = \frac{\overset{2}{\cancel{8}} \times 5}{\underset{1}{\cancel{4}}} = 10$$

$$(13) \frac{12}{7} \times 7 = \frac{12 \times \overset{1}{\cancel{7}}}{\underset{1}{\cancel{7}}} = 12$$

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

【2】 次の問題に答えなさい

(1) たて $\frac{3}{2}$ cm、横 4cm の長方形の面積は何 cm^2 ですか。

$$\text{式} \quad \frac{3}{2} \times 4 = \frac{3 \times \overset{2}{\cancel{4}}}{\underset{1}{\cancel{2}}} = 6$$

答え 6 cm^2

(2) 面積が(1)の長方形の $\frac{5}{4}$ 倍の長方形の面積は何 cm^2 ですか。

$$\text{式} \quad 6 \times \frac{5}{4} = \frac{\overset{3}{\cancel{6}} \times 5}{\underset{2}{\cancel{4}}} = \frac{15}{2}$$

答え $\frac{15}{2} \text{ cm}^2$ $\left(7\frac{1}{2} \text{ cm}^2\right)$