

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)