

分数と整数のかけ算 (9)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{3}{10} \times 8 = \frac{3 \times \cancel{8^4}}{\cancel{10}_5} = \frac{12}{5} \left(2\frac{2}{5}\right)$$

$$(2) 12 \times \frac{7}{30} = \frac{\cancel{12}^2 \times 7}{\cancel{30}_5} = \frac{14}{5} \left(2\frac{4}{5}\right)$$

$$(3) \frac{8}{25} \times 15 = \frac{8 \times \cancel{15^3}}{\cancel{25}_5} = \frac{24}{5} \left(4\frac{4}{5}\right)$$

$$(4) 21 \times \frac{9}{28} = \frac{\cancel{21}^3 \times 9}{\cancel{28}_4} = \frac{27}{4} \left(6\frac{3}{4}\right)$$

$$(5) \frac{5}{24} \times 12 = \frac{5 \times \cancel{12}^1}{\cancel{24}_2} = \frac{5}{2} \left(2\frac{1}{2}\right)$$

$$(6) 16 \times \frac{1}{12} = \frac{\cancel{16}^4 \times 1}{\cancel{12}_3} = \frac{4}{3} \left(1\frac{1}{3}\right)$$

$$(7) \frac{5}{6} \times 4 = \frac{5 \times \cancel{4}^2}{\cancel{6}_3} = \frac{10}{3} \left(3\frac{1}{3}\right)$$

$$(8) 14 \times \frac{7}{18} = \frac{\cancel{14}^7 \times 7}{\cancel{18}_9} = \frac{49}{9} \left(5\frac{4}{9}\right)$$

$$(9) \frac{4}{21} \times 7 = \frac{4 \times \cancel{7}^1}{\cancel{21}_3} = \frac{4}{3} \left(1\frac{1}{3}\right)$$

$$(10) 3 \times \frac{11}{6} = \frac{\cancel{3}^1 \times 11}{\cancel{6}_2} = \frac{11}{2} \left(5\frac{1}{2}\right)$$

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

$$(12) 8 \times \frac{5}{4} = \frac{\cancel{8}^2 \times 5}{\cancel{4}_1} = 10$$

$$(13) \frac{12}{7} \times 7 = \frac{12 \times \cancel{7}^1}{\cancel{7}_1} = 12$$

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

【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。

$$\text{式 } \frac{3}{2} \times 4 = \frac{3 \times \cancel{4}^2}{\cancel{2}_1} = 6$$

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。

$$\text{式 } 6 \times \frac{5}{4} = \frac{\cancel{6}^3 \times 5}{\cancel{4}_2} = \frac{15}{2}$$

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