

分数と整数のかけ算 (5)

名前 _____

【分数×整数】

【1】 次の計算をなさい。

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

$$(2) \frac{2}{11} \times 3 = \frac{2 \times 3}{11} = \frac{6}{11}$$

$$(3) \frac{3}{14} \times 6 = \frac{3 \times \overset{3}{\cancel{6}}}{\underset{7}{\cancel{14}}} = \frac{9}{7} \left(1\frac{2}{7}\right)$$

$$(4) \frac{7}{18} \times 6 = \frac{7 \times \overset{1}{\cancel{6}}}{\underset{3}{\cancel{18}}} = \frac{7}{3} \left(2\frac{1}{3}\right)$$

$$(5) \frac{3}{17} \times 7 = \frac{3 \times 7}{17} = \frac{21}{17} \left(1\frac{4}{17}\right)$$

$$(6) \frac{9}{16} \times 8 = \frac{9 \times \overset{1}{\cancel{8}}}{\underset{2}{\cancel{16}}} = \frac{9}{2} \left(4\frac{1}{2}\right)$$

$$(7) \frac{3}{20} \times 15 = \frac{3 \times \overset{3}{\cancel{15}}}{\underset{4}{\cancel{20}}} = \frac{9}{4} \left(2\frac{1}{4}\right)$$

$$(8) \frac{7}{24} \times 9 = \frac{7 \times \overset{3}{\cancel{9}}}{\underset{8}{\cancel{24}}} = \frac{21}{8} \left(2\frac{5}{8}\right)$$

$$(9) \frac{7}{30} \times 12 = \frac{7 \times \overset{2}{\cancel{12}}}{\underset{5}{\cancel{30}}} = \frac{14}{5} \left(2\frac{4}{5}\right)$$

$$(10) \frac{9}{28} \times 21 = \frac{9 \times \overset{3}{\cancel{21}}}{\underset{4}{\cancel{28}}} = \frac{27}{4} \left(6\frac{3}{4}\right)$$

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

$$(12) \frac{8}{3} \times 6 = \frac{8 \times \overset{2}{\cancel{6}}}{\underset{1}{\cancel{3}}} = 16$$

$$(13) \frac{9}{7} \times 8 = \frac{9 \times 8}{7} = \frac{72}{7} \left(10\frac{2}{7}\right)$$

$$(14) \frac{9}{5} \times 7 = \frac{9 \times 7}{5} = \frac{63}{5} \left(12\frac{3}{5}\right)$$

【2】 次の問題に答えなさい。

(1) たて $\frac{11}{9}$ cm、横 2cm の長方形の面積は何 cm² ですか。

$$\text{式} \quad \frac{11}{9} \times 2 = \frac{11 \times 2}{9} = \frac{22}{9}$$

$$\text{答え} \quad \underline{\underline{\frac{22}{9} \text{ cm}^2 \left(2\frac{4}{9} \text{ cm}^2\right)}}$$

(2) 面積が(1)の長方形の 6 倍の長方形の面積は何 cm² ですか。

$$\text{式} \quad \frac{22}{9} \times 6 = \frac{22 \times \overset{2}{\cancel{6}}}{\underset{3}{\cancel{9}}} = \frac{44}{3}$$

$$\text{答え} \quad \underline{\underline{\frac{44}{3} \text{ cm}^2 \left(14\frac{2}{3} \text{ cm}^2\right)}}$$