

# 帯分数のわり算 (1)

名前 \_\_\_\_\_

【1】 次の計算をなさい。(答えが1より大きい分数になるときは帯分数に直すこと)

$$(1) \frac{2}{3} \div 2\frac{1}{2} = \frac{2 \times 2}{3 \times 5} = \frac{4}{15}$$

$$(2) \frac{3}{8} \div 1\frac{1}{5} = \frac{\cancel{3} \times 5}{8 \times \cancel{6}_2} = \frac{5}{16}$$

$$(3) \frac{5}{12} \div 1\frac{1}{2} = \frac{5 \times \cancel{2}^1}{\cancel{12}_6 \times 3} = \frac{5}{18}$$

$$(4) \frac{4}{9} \div 2\frac{2}{3} = \frac{\cancel{4} \times \cancel{3}^1}{\cancel{9}_3 \times \cancel{8}_2} = \frac{1}{6}$$

$$(5) \frac{1}{4} \div 1\frac{3}{8} = \frac{1 \times \cancel{8}^2}{\cancel{4}_1 \times 11} = \frac{2}{11}$$

$$(6) \frac{3}{10} \div 2\frac{2}{5} = \frac{\cancel{3} \times \cancel{5}^1}{\cancel{10}_2 \times \cancel{12}_4} = \frac{1}{8}$$

$$(7) 1\frac{1}{6} \div \frac{7}{12} = \frac{\cancel{7} \times \cancel{12}^2}{\cancel{6}_1 \times \cancel{7}_1} = 2$$

$$(8) 2\frac{1}{2} \div \frac{3}{8} = \frac{5 \times \cancel{8}^4}{\cancel{2}_1 \times 3} = \frac{20}{3} = 6\frac{2}{3}$$

$$(9) 1\frac{3}{5} \div \frac{3}{10} = \frac{8 \times \cancel{10}^2}{\cancel{5}_1 \times 3} = \frac{16}{3} = 5\frac{1}{3}$$

$$(10) 1\frac{1}{7} \div \frac{4}{11} = \frac{\cancel{8} \times 11}{7 \times \cancel{4}_1} = \frac{22}{7} = 3\frac{1}{7}$$

$$(11) 2\frac{2}{5} \div \frac{2}{7} = \frac{\cancel{12}^6 \times 7}{5 \times \cancel{2}_1} = \frac{42}{5} = 8\frac{2}{5}$$

$$(12) 1\frac{1}{2} \div \frac{4}{9} = \frac{3 \times 9}{2 \times 4} = \frac{27}{8} = 3\frac{3}{8}$$

$$(13) 2\frac{2}{3} \div 1\frac{5}{9} = \frac{\cancel{8}^4 \times \cancel{9}^3}{\cancel{3}_1 \times \cancel{14}_7} = \frac{12}{7} = 1\frac{5}{7}$$

$$(14) 3\frac{3}{4} \div 1\frac{1}{5} = \frac{\cancel{15}^5 \times 5}{4 \times \cancel{6}_2} = \frac{25}{8} = 3\frac{1}{8}$$

【2】 次の問題に答えなさい。

(1) 面積が  $\frac{7}{2} \text{ cm}^2$  で縦の長さが  $1\frac{1}{2} \text{ cm}$  の長方形の横の長さは何 cm ですか。

$$\text{式} \quad \frac{7}{2} \div 1\frac{1}{2} = \frac{7 \times \cancel{2}^1}{\cancel{2}_1 \times 3} = \frac{7}{3} = 2\frac{1}{3}$$

答え  $2\frac{1}{3} \text{ cm}$

(2)  $\frac{5}{12} \text{ m}$  の赤のリボンの長さは  $1\frac{7}{8} \text{ m}$  の青のリボンの何倍の長さですか。

$$\text{式} \quad \frac{5}{12} \div 1\frac{7}{8} = \frac{\cancel{5} \times \cancel{8}^2}{\cancel{12}_3 \times \cancel{15}_3} = \frac{1 \times 2}{3 \times 3} = \frac{2}{9}$$

答え  $\frac{2}{9}$  倍