

# 帯分数のかけ算 (5)

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なおすこと。

$$(1) \frac{4}{9} \times 2\frac{2}{5} = \frac{4}{\cancel{9}_3} \times \frac{\cancel{12}^4}{5} = \frac{16}{15} = 1\frac{1}{15}$$

$$(2) \frac{9}{20} \times 7\frac{1}{2} = \frac{9}{\cancel{20}_4} \times \frac{\cancel{15}^3}{2} = \frac{27}{8} = 3\frac{3}{8}$$

$$(3) \frac{5}{12} \times 2\frac{2}{7} = \frac{5}{\cancel{12}_3} \times \frac{\cancel{16}^4}{7} = \frac{20}{21}$$

$$(4) \frac{7}{18} \times 2\frac{1}{4} = \frac{7}{\cancel{18}_2} \times \frac{\cancel{9}^1}{4} = \frac{7}{8}$$

$$(5) 3\frac{1}{8} \times \frac{4}{15} = \frac{\cancel{25}^5}{\cancel{8}_2} \times \frac{\cancel{4}^1}{\cancel{15}_3} = \frac{5}{6}$$

$$(6) 1\frac{7}{9} \times \frac{3}{8} = \frac{\cancel{16}^2}{\cancel{9}_3} \times \frac{\cancel{3}^1}{8} = \frac{2}{3}$$

$$(7) 2\frac{2}{9} \times \frac{3}{16} = \frac{\cancel{20}^5}{\cancel{9}_3} \times \frac{\cancel{3}^1}{\cancel{16}_4} = \frac{5}{12}$$

$$(8) 3\frac{3}{8} \times \frac{8}{15} = \frac{\cancel{27}^9}{\cancel{8}_1} \times \frac{\cancel{8}^1}{\cancel{15}_5} = \frac{9}{5} = 1\frac{4}{5}$$

$$(9) 1\frac{1}{5} \times 2\frac{2}{3} = \frac{\cancel{6}^2}{\cancel{5}_1} \times \frac{\cancel{8}^1}{\cancel{3}_1} = \frac{16}{5} = 3\frac{1}{5}$$

$$(10) 2\frac{1}{4} \times 1\frac{1}{6} = \frac{\cancel{9}^3}{\cancel{4}_2} \times \frac{\cancel{7}^1}{\cancel{6}_2} = \frac{21}{8} = 2\frac{5}{8}$$

$$(11) 2\frac{2}{3} \times 2\frac{1}{7} = \frac{\cancel{8}^2}{\cancel{3}_1} \times \frac{\cancel{15}^5}{7} = \frac{40}{7} = 5\frac{5}{7}$$

$$(12) 5\frac{5}{6} \times 1\frac{3}{7} = \frac{\cancel{35}^5}{\cancel{6}_3} \times \frac{\cancel{10}^5}{\cancel{7}_1} = \frac{25}{3} = 8\frac{1}{3}$$

$$(13) 3\frac{3}{4} \times 1\frac{1}{5} = \frac{\cancel{15}^3}{\cancel{4}_2} \times \frac{\cancel{6}^3}{\cancel{5}_1} = \frac{9}{2} = 4\frac{1}{2}$$

$$(14) 2\frac{4}{5} \times 3\frac{3}{4} = \frac{\cancel{14}^7}{\cancel{5}_1} \times \frac{\cancel{15}^3}{\cancel{4}_2} = \frac{21}{2} = 10\frac{1}{2}$$

【2】 次の問題に答えなさい。

(1) 底辺が  $5\frac{2}{5}$  cm、高さが  $2\frac{1}{2}$  cm の平行四辺形の面積は何  $\text{cm}^2$  ですか。

$$\text{式 } 5\frac{2}{5} \times 2\frac{1}{2} = \frac{\cancel{27}^3}{\cancel{5}_1} \times \frac{\cancel{5}^1}{2} = \frac{27}{2} = 13\frac{1}{2}$$

答え  $13\frac{1}{2} \text{ cm}^2$

(2) 1dL で  $\frac{7}{8} \text{ m}^2$  を塗ることのできるペンキ  $1\frac{7}{9} \text{ dL}$  では、何  $\text{m}^2$  を塗ることができますか。

$$\text{式 } \frac{7}{8} \times 1\frac{7}{9} = \frac{7}{\cancel{8}_1} \times \frac{\cancel{16}^2}{9} = \frac{14}{9} = 1\frac{5}{9}$$

答え  $1\frac{5}{9} \text{ m}^2$