

帯分数のかけ算 (4)

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。

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

$$(2) \frac{12}{35} \times 1\frac{3}{4} = \frac{\overset{3}{\cancel{12}}}{\underset{5}{\cancel{35}}} \times \frac{\overset{1}{\cancel{4}}}{\underset{1}{\cancel{4}}} = \frac{3}{5}$$

$$(3) \frac{8}{9} \times 1\frac{3}{8} = \frac{\overset{1}{\cancel{8}}}{\underset{1}{\cancel{9}}} \times \frac{\overset{11}{\cancel{8}}}{\underset{1}{\cancel{8}}} = \frac{11}{9} = 1\frac{2}{9}$$

$$(4) \frac{9}{14} \times 1\frac{1}{6} = \frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{14}}} \times \frac{\overset{1}{\cancel{7}}}{\underset{2}{\cancel{6}}} = \frac{3}{4}$$

$$(5) 3\frac{1}{5} \times \frac{5}{12} = \frac{\overset{4}{\cancel{16}}}{\underset{1}{\cancel{5}}} \times \frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{12}}} = \frac{4}{3} = 1\frac{1}{3}$$

$$(6) 3\frac{1}{2} \times \frac{4}{9} = \frac{\overset{7}{\cancel{2}}}{\underset{1}{\cancel{2}}} \times \frac{\overset{2}{\cancel{4}}}{\underset{9}{\cancel{9}}} = \frac{14}{9} = 1\frac{5}{9}$$

$$(7) 2\frac{5}{8} \times \frac{2}{7} = \frac{\overset{3}{\cancel{21}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{7}}} = \frac{3}{4}$$

$$(8) 1\frac{1}{3} \times \frac{9}{14} = \frac{\overset{2}{\cancel{4}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{3}{\cancel{9}}}{\underset{7}{\cancel{14}}} = \frac{6}{7}$$

$$(9) 4\frac{1}{6} \times \frac{4}{15} = \frac{\overset{5}{\cancel{25}}}{\underset{3}{\cancel{6}}} \times \frac{\overset{2}{\cancel{4}}}{\underset{3}{\cancel{15}}} = \frac{10}{9} = 1\frac{1}{9}$$

$$(10) 2\frac{1}{4} \times \frac{7}{18} = \frac{\overset{1}{\cancel{9}}}{\underset{4}{\cancel{4}}} \times \frac{\overset{7}{\cancel{18}}}{\underset{2}{\cancel{18}}} = \frac{7}{8}$$

$$(11) 2\frac{1}{2} \times 1\frac{2}{5} = \frac{\overset{1}{\cancel{5}}}{\underset{1}{\cancel{2}}} \times \frac{\overset{7}{\cancel{7}}}{\underset{5}{\cancel{5}}} = \frac{7}{2} = 3\frac{1}{2}$$

$$(12) 1\frac{5}{6} \times 1\frac{1}{2} = \frac{\overset{11}{\cancel{6}}}{\underset{2}{\cancel{6}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{2}}} = \frac{11}{4} = 2\frac{3}{4}$$

$$(13) 1\frac{3}{7} \times 4\frac{2}{3} = \frac{\overset{10}{\cancel{7}}}{\underset{1}{\cancel{7}}} \times \frac{\overset{2}{\cancel{14}}}{\underset{3}{\cancel{3}}} = \frac{20}{3} = 6\frac{2}{3}$$

$$(14) 1\frac{1}{4} \times 3\frac{3}{7} = \frac{\overset{5}{\cancel{4}}}{\underset{1}{\cancel{4}}} \times \frac{\overset{6}{\cancel{24}}}{\underset{7}{\cancel{7}}} = \frac{30}{7} = 4\frac{2}{7}$$

【2】 次の問題に答えなさい。

(1) 分速 $\frac{1}{14}$ km で歩く人は、 $2\frac{2}{5}$ 分で何 km 進みますか。

$$\text{式} \quad \frac{1}{14} \times 2\frac{2}{5} = \frac{1}{\underset{7}{\cancel{14}}} \times \frac{\overset{6}{\cancel{12}}}{\underset{5}{\cancel{5}}} = \frac{1 \times 6}{7 \times 5} = \frac{6}{35}$$

答え $\frac{6}{35}$ km

(2) 1m あたりの重さが $\frac{6}{7}$ kg の棒があります。この棒 $2\frac{1}{6}$ m の重さは何 kg ですか。

$$\text{式} \quad \frac{6}{7} \times 2\frac{1}{6} = \frac{\overset{1}{\cancel{6}}}{\underset{7}{\cancel{7}}} \times \frac{\overset{13}{\cancel{13}}}{\underset{1}{\cancel{6}}} = \frac{13}{7} = 1\frac{6}{7}$$

答え $1\frac{6}{7}$ kg