

# 分数と小数のかけ算 (3)

名前 \_\_\_\_\_

【1】 次の計算をなさい。

$$(1) \frac{15}{7} \times 0.7 = \frac{\overset{3}{\cancel{15}} \times \overset{1}{\cancel{7}}}{\underset{1}{\cancel{7}} \times \underset{2}{\cancel{10}}} = \frac{3}{2} \left(1\frac{1}{2}\right)$$

$$(2) 0.8 \times \frac{4}{5} = \frac{4 \times 4}{5 \times 5} = \frac{16}{25}$$

$$(3) \frac{8}{3} \times 0.2 = \frac{8 \times 1}{3 \times 5} = \frac{8}{15}$$

$$(4) 0.3 \times \frac{5}{8} = \frac{\overset{1}{\cancel{3}} \times \overset{1}{\cancel{5}}}{\underset{2}{\cancel{10}} \times 8} = \frac{3}{16}$$

$$(5) \frac{1}{4} \times 1.2 = \frac{1 \times \overset{3}{\cancel{6}}}{\underset{2}{\cancel{4}} \times 5} = \frac{3}{10}$$

$$(6) 1.4 \times \frac{9}{14} = \frac{\overset{1}{\cancel{14}} \times 9}{10 \times \underset{1}{\cancel{14}}} = \frac{9}{10}$$

$$(7) \frac{3}{8} \times 1.8 = \frac{3 \times \overset{9}{\cancel{18}}}{8 \times \underset{5}{\cancel{10}}} = \frac{27}{40}$$

$$(8) 2.5 \times \frac{6}{11} = \frac{5 \times \overset{3}{\cancel{6}}}{\underset{1}{\cancel{2}} \times 11} = \frac{15}{11} \left(1\frac{4}{11}\right)$$

$$(9) \frac{5}{12} \times 3.6 = \frac{\overset{1}{\cancel{5}} \times \overset{3}{\cancel{18}}}{\underset{2}{\cancel{12}} \times \underset{1}{\cancel{5}}} = \frac{3}{2} \left(1\frac{1}{2}\right)$$

$$(10) 4.2 \times \frac{5}{14} = \frac{\overset{3}{\cancel{21}} \times \overset{1}{\cancel{5}}}{\underset{1}{\cancel{5}} \times \underset{2}{\cancel{14}}} = \frac{3}{2} \left(1\frac{1}{2}\right)$$

$$(11) \frac{15}{11} \times 0.11 = \frac{\overset{3}{\cancel{15}} \times \overset{1}{\cancel{11}}}{\underset{1}{\cancel{11}} \times \underset{20}{\cancel{100}}} = \frac{3}{20}$$

$$(12) 0.24 \times \frac{7}{8} = \frac{\overset{3}{\cancel{24}} \times 7}{100 \times \underset{1}{\cancel{8}}} = \frac{21}{100}$$

$$(13) \frac{12}{13} \times 0.30 = \frac{\overset{6}{\cancel{12}} \times 3}{13 \times \underset{5}{\cancel{10}}} = \frac{18}{65}$$

$$(14) 1.23 \times \frac{5}{3} = \frac{\overset{41}{\cancel{123}} \times \overset{1}{\cancel{5}}}{\underset{20}{\cancel{100}} \times \underset{1}{\cancel{3}}} = \frac{41}{20} \left(2\frac{1}{20}\right)$$

【2】 次の問題に答えなさい

(1) 底辺の長さが4.8cm、高さが $\frac{25}{6}$ cmの平行四辺形の面積は何 $\text{cm}^2$ ですか。

$$\text{式 } 4.8 \times \frac{25}{6} = \frac{48 \overset{24}{\cancel{}}}{10 \overset{5}{\cancel{}}} \times \frac{25}{6} = \frac{\overset{4}{\cancel{24}} \times \overset{5}{\cancel{25}}}{\underset{1}{\cancel{5}} \times \underset{1}{\cancel{6}}} = 20$$

答え 20  $\text{cm}^2$

(2) 1mあたりの重さが $\frac{5}{2}$ kgの棒があります。この棒1.6mの重さは何kgですか。

$$\text{式 } \frac{5}{2} \times 1.6 = \frac{5}{2} \times \frac{16 \overset{8}{\cancel{}}}{10 \overset{5}{\cancel{}}} = \frac{\overset{1}{\cancel{5}} \times \overset{4}{\cancel{16}}}{\underset{1}{\cancel{2}} \times \underset{1}{\cancel{5}}} = 4$$

答え 4 kg