

分数と小数のかけ算 (4)

名前 _____

【1】 次の計算をなさい。

$$(1) \frac{2}{5} \times 0.7 = \frac{\overset{1}{\cancel{2}} \times 7}{5 \times \underset{5}{\cancel{10}}} = \frac{7}{25}$$

$$(2) 0.4 \times \frac{1}{4} = \frac{\overset{1}{\cancel{2}} \times 1}{5 \times \underset{2}{\cancel{4}}} = \frac{1}{10}$$

$$(3) \frac{16}{3} \times 0.5 = \frac{\overset{8}{\cancel{16}} \times 1}{3 \times \underset{1}{\cancel{2}}} = \frac{8}{3} \left(2\frac{2}{3}\right)$$

$$(4) 0.1 \times \frac{12}{7} = \frac{1 \times \overset{6}{\cancel{12}}}{\underset{5}{\cancel{10}} \times 7} = \frac{6}{35}$$

$$(5) \frac{2}{9} \times 1.9 = \frac{\overset{1}{\cancel{2}} \times 19}{9 \times \underset{5}{\cancel{10}}} = \frac{19}{45}$$

$$(6) 2.7 \times \frac{5}{12} = \frac{\overset{9}{\cancel{27}} \times \overset{1}{\cancel{5}}}{\underset{2}{\cancel{10}} \times \underset{4}{\cancel{12}}} = \frac{9}{8} \left(1\frac{1}{8}\right)$$

$$(7) \frac{5}{2} \times 5.4 = \frac{\overset{1}{\cancel{5}} \times 27}{2 \times \underset{1}{\cancel{5}}} = \frac{27}{2} \left(13\frac{1}{2}\right)$$

$$(8) 4.5 \times \frac{16}{9} = \frac{\overset{1}{\cancel{9}} \times \overset{8}{\cancel{16}}}{\underset{1}{\cancel{2}} \times \underset{1}{\cancel{9}}} = 8$$

$$(9) \frac{9}{8} \times 7.2 = \frac{9 \times \overset{9}{\cancel{36}}}{\underset{2}{\cancel{8}} \times 5} = \frac{81}{10} \left(8\frac{1}{10}\right)$$

$$(10) 8.1 \times \frac{8}{27} = \frac{\overset{3}{\cancel{81}} \times \overset{4}{\cancel{8}}}{\underset{5}{\cancel{10}} \times \underset{1}{\cancel{27}}} = \frac{12}{5} \left(2\frac{2}{5}\right)$$

$$(11) \frac{10}{3} \times 0.13 = \frac{\overset{1}{\cancel{10}} \times 13}{3 \times \underset{10}{\cancel{100}}} = \frac{13}{30}$$

$$(12) 0.25 \times \frac{1}{8} = \frac{1 \times 1}{4 \times 8} = \frac{1}{32}$$

$$(13) \frac{7}{4} \times 1.40 = \frac{7 \times 7}{4 \times 5} = \frac{49}{20} \left(2\frac{9}{20}\right)$$

$$(14) 1.44 \times \frac{25}{6} = \frac{\overset{6}{\cancel{36}} \times \overset{1}{\cancel{25}}}{\underset{1}{\cancel{25}} \times \underset{1}{\cancel{6}}} = 6$$

【2】 次の問題に答えなさい

(1) 1dL で $\frac{15}{8}m^2$ を塗ることのできるペンキ 1.8dL では、何 m^2 を塗ることができますか。

$$\text{式 } \frac{15}{8} \times 1.8 = \frac{15}{8} \times \frac{\overset{9}{\cancel{18}}}{\underset{5}{\cancel{10}}} = \frac{\overset{3}{\cancel{15}} \times 9}{8 \times \underset{1}{\cancel{5}}} = \frac{27}{8}$$

答え $\frac{27}{8}m^2 \left(3\frac{3}{8}m^2\right)$

(2) 1m あたりの重さが 0.7kg の棒があります。この棒 $\frac{4}{5}m$ の重さは何 kg ですか。

$$\text{式 } 0.7 \times \frac{4}{5} = \frac{7}{10} \times \frac{4}{5} = \frac{7 \times \underset{2}{\cancel{4}}}{\underset{5}{\cancel{10}} \times 5} = \frac{14}{25}$$

答え $\frac{14}{25}kg$
