分数を含むかけ算・わり算

・ 次の計算をしなさい。

① $\left(-\dfrac{5}{8}\right) \times \left(-\dfrac{4}{5}\right)$

④ $-\dfrac{4}{9} - \dfrac{5}{27}$

② $\left(-\dfrac{6}{7}\right) \div \dfrac{15}{14}$

⑤ $\dfrac{3}{5} - \left(+\dfrac{4}{15}\right)$

③ $\left(-\dfrac{9}{10}\right) \times \dfrac{10}{3}$

⑥ $\left(-\dfrac{6}{7}\right) \div (-8)$

・ 次の計算をしなさい。

① $\left(-\dfrac{5}{8}\right) \times \left(-\dfrac{4}{5}\right)$

$= +\left(\dfrac{\cancel{5}^{1}}{\cancel{8}_{2}} \times \dfrac{\cancel{4}^{1}}{\cancel{5}_{1}}\right)$

$= \dfrac{1}{2}$

$\underline{\qquad\dfrac{1}{2}\qquad}$

④ $-\dfrac{4}{9} - \dfrac{5}{27}$

$= -\dfrac{12}{27} - \dfrac{5}{27}$

$= -\dfrac{17}{27}$

$\underline{\qquad-\dfrac{17}{27}\qquad}$

② $\left(-\dfrac{6}{7}\right) \div \dfrac{15}{14}$

$= \left(-\dfrac{6}{7}\right) \times \dfrac{14}{15}$

$= -\left(\dfrac{\cancel{6}^{2}}{\cancel{7}_{1}} \times \dfrac{\cancel{14}^{2}}{\cancel{15}_{5}}\right)$

$= -\dfrac{4}{5}$

$\underline{\qquad-\dfrac{4}{5}\qquad}$

⑤ $\dfrac{3}{5} - \left(+\dfrac{4}{15}\right)$

$= \dfrac{3}{5} + \left(-\dfrac{4}{15}\right)$

$= \dfrac{3}{5} - \dfrac{4}{15}$

$= \dfrac{5}{15} = \dfrac{1}{3}$

$\underline{\qquad\dfrac{1}{3}\qquad}$

③ $\left(-\dfrac{9}{10}\right) \times \dfrac{10}{3}$

$= -\left(\dfrac{\cancel{9}^{3}}{\cancel{10}_{1}} \times \dfrac{\cancel{10}^{1}}{\cancel{3}_{1}}\right)$

$= -3$

$\underline{\qquad-3\qquad}$

⑥ $\left(-\dfrac{6}{7}\right) \div (-8)$

$= \left(-\dfrac{6}{7}\right) \times \left(-\dfrac{1}{8}\right)$

$= +\left(\dfrac{\cancel{6}^{3}}{7} \times \dfrac{1}{\cancel{8}_{4}}\right)$

$= \dfrac{3}{28}$

$\underline{\qquad\dfrac{3}{28}\qquad}$