分数の正の数、負の数の減法

次の計算をしましょう。

① $\left(-\dfrac{3}{7} \right) - \left(+\dfrac{5}{9} \right)$

② $\left(+\dfrac{2}{5} \right) - \left(+\dfrac{2}{3} \right)$

③ $\left(+\dfrac{5}{6} \right) - \left(+\dfrac{3}{7} \right)$

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

⑤ $\left(-\dfrac{3}{4} \right) - \left(-\dfrac{6}{11} \right)$

⑥ $\left(+\dfrac{2}{3} \right) - \left(-\dfrac{3}{5} \right)$

分数の正の数、負の数の減法

次の計算をしましょう。

① $\left(-\dfrac{3}{7}\right)-\left(+\dfrac{5}{9}\right)$

$=\left(-\dfrac{27}{63}\right)+\left(-\dfrac{35}{63}\right)$

$=-\left(\dfrac{27}{63}+\dfrac{35}{63}\right)$

$=-\dfrac{62}{63}$

② $\left(+\dfrac{2}{5}\right)-\left(+\dfrac{2}{3}\right)$

$=\left(+\dfrac{6}{15}\right)+\left(-\dfrac{10}{15}\right)$

$=-\left(\dfrac{10}{15}-\dfrac{6}{15}\right)$

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

③ $\left(+\dfrac{5}{6}\right)-\left(+\dfrac{3}{7}\right)$

$=\left(+\dfrac{35}{42}\right)+\left(-\dfrac{18}{42}\right)$

$=+\left(\dfrac{35}{42}-\dfrac{18}{42}\right)$

$=+\dfrac{17}{42}$

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

$=\left(-\dfrac{12}{20}\right)+\left(-\dfrac{15}{20}\right)$

$=-\left(\dfrac{12}{20}+\dfrac{15}{20}\right)$

$=-\dfrac{27}{20}=-1\dfrac{7}{20}$

⑤ $\left(-\dfrac{3}{4}\right)-\left(-\dfrac{6}{11}\right)$

$=\left(-\dfrac{33}{44}\right)+\left(+\dfrac{24}{44}\right)$

$=-\left(\dfrac{33}{44}-\dfrac{24}{44}\right)$

$=-\dfrac{9}{44}$

⑥ $\left(+\dfrac{2}{3}\right)-\left(-\dfrac{3}{5}\right)$

$=\left(+\dfrac{10}{15}\right)+\left(+\dfrac{9}{15}\right)$

$=+\left(\dfrac{10}{15}+\dfrac{9}{15}\right)$

$=+\dfrac{19}{15}=+1\dfrac{4}{15}$