



&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{7} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



・ 次の計算をします。□に分数を書きなさい。

$$\textcircled{1} \left(-\frac{9}{5}\right) \div \left(-\frac{6}{5}\right)$$

$$= \left(-\frac{9}{5}\right) \times \left(-\frac{5}{6}\right)$$

$$= + \left(\frac{\overset{3}{\cancel{9}}}{\underset{1}{\cancel{5}}} \times \frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{6}}}\right)$$

$$= \frac{3}{2}$$

$$\textcircled{2} \left(-\frac{4}{3}\right) \div 8$$

$$= \left(-\frac{4}{3}\right) \times \frac{1}{8}$$

$$= - \left(\frac{4}{3} \times \frac{1}{8}\right)$$

$$= -$$





&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{7} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



・ 次の計算をします。□に分数を書きなさい。

$$\textcircled{1} \left(-\frac{3}{4}\right) \div \left(-\frac{5}{12}\right)$$

$$= \left(-\frac{3}{4}\right) \times \left(-\frac{12}{5}\right)$$

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

$$= \square$$

$$\textcircled{2} \frac{8}{9} \div \left(-\frac{4}{5}\right)$$

$$= \frac{8}{9} \times \left(\square\right)$$

$$= - \left(\frac{8}{9} \times \frac{5}{4}\right)$$

$$= \square$$





&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{7} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



・ 次の計算をします。□に分数を書きなさい。

$$\textcircled{1} \left(-\frac{4}{9}\right) \div \left(-\frac{2}{3}\right)$$

$$= \left(-\frac{4}{9}\right) \times \left(-\frac{3}{2}\right)$$

$$= + \left(\frac{4}{9} \times \frac{3}{2}\right)$$

$$= \square$$

$$\textcircled{2} \left(-\frac{6}{7}\right) \div \frac{3}{14}$$

$$= \left(-\frac{6}{7}\right) \times \left(\square\right)$$

$$= - \left(\frac{6}{7} \times \frac{14}{3}\right)$$

$$= \square$$





&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{7} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



・ 次の計算をします。□に分数を書きなさい。

$$\textcircled{1} \left(-\frac{2}{3}\right) \div \left(-\frac{5}{6}\right)$$

$$= \left(-\frac{2}{3}\right) \times (\square)$$

$$= + \left(\frac{2}{3} \times \frac{6}{5}\right)$$

$$= \square$$

$$\textcircled{2} \frac{7}{9} \div \left(-\frac{14}{15}\right)$$

$$= \frac{7}{9} \times (\square)$$

$$= - \left(\frac{7}{9} \times \frac{15}{14}\right)$$

$$= \square$$





・ 次の計算をなさい。

$$\textcircled{1} \left(-\frac{5}{4}\right) \times \left(+\frac{2}{3}\right)$$

$$= -\left(\frac{5}{\cancel{4}_2} \times \frac{\cancel{2}^1}{3}\right)$$

=

\_\_\_\_\_

$$\textcircled{4} \left(+\frac{5}{6}\right) \div \left(-\frac{15}{8}\right)$$

$$= \left(+\frac{5}{6}\right) \times \left(-\frac{8}{15}\right)$$

=

\_\_\_\_\_

$$\textcircled{2} \left(-\frac{1}{8}\right) \times \left(-\frac{4}{7}\right)$$

\_\_\_\_\_

$$\textcircled{5} \left(-\frac{3}{4}\right) \div \left(-\frac{9}{2}\right)$$

\_\_\_\_\_

$$\textcircled{3} 12 \times \left(-\frac{5}{6}\right)$$

\_\_\_\_\_

$$\textcircled{6} \left(-\frac{7}{8}\right) \div 14$$

\_\_\_\_\_





・ 次の計算をなさい。

①  $(-\frac{7}{15}) \times (+\frac{10}{9})$

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④  $(+\frac{15}{16}) \div (-\frac{5}{8})$

\_\_\_\_\_

②  $(-\frac{2}{3}) \times (-\frac{3}{4})$

\_\_\_\_\_

⑤  $(-\frac{1}{3}) \div (-\frac{7}{15})$

\_\_\_\_\_

③  $\frac{3}{7} \times (-\frac{14}{15})$

\_\_\_\_\_

⑥  $(-\frac{3}{4}) \div \frac{9}{16}$

\_\_\_\_\_





・ 次の計算をなさい。

①  $(-\frac{4}{9}) \times (+6)$

\_\_\_\_\_

④  $(+16) \div (-\frac{8}{9})$

\_\_\_\_\_

②  $(-\frac{3}{10}) \times (-\frac{2}{9})$

\_\_\_\_\_

⑤  $(-\frac{5}{6}) \div (-\frac{3}{4})$

\_\_\_\_\_

③  $\frac{10}{21} \times (-\frac{3}{5})$

\_\_\_\_\_

⑥  $(-\frac{1}{5}) \div \frac{2}{15}$

\_\_\_\_\_





・ 次の計算をなさい。

①  $(-\frac{7}{8}) \times (+\frac{4}{35})$

\_\_\_\_\_

④  $(+\frac{9}{13}) \div (-6)$

\_\_\_\_\_

②  $(-\frac{4}{5}) \times (-\frac{10}{9})$

\_\_\_\_\_

⑤  $(-\frac{7}{15}) \div (-\frac{1}{3})$

\_\_\_\_\_

③  $\frac{8}{9} \times (-\frac{3}{2})$

\_\_\_\_\_

⑥  $(-\frac{4}{9}) \div \frac{8}{15}$

\_\_\_\_\_







・ 次の計算をなさい。

①  $(-\frac{4}{5}) \times (+10)$

\_\_\_\_\_

④  $(+\frac{5}{24}) \div (-\frac{15}{8})$

\_\_\_\_\_

②  $(-\frac{5}{14}) \times (-\frac{7}{15})$

\_\_\_\_\_

⑤  $(-5) \div (-\frac{2}{3})$

\_\_\_\_\_

③  $\frac{3}{8} \times (-\frac{16}{15})$

\_\_\_\_\_

⑥  $(-\frac{3}{14}) \div \frac{5}{7}$

\_\_\_\_\_





・ 次の計算をなさい。

①  $(-7) \times (-\frac{3}{14})$

\_\_\_\_\_

④  $\frac{5}{9} - (+\frac{13}{18})$

\_\_\_\_\_

②  $\frac{7}{12} \div (-\frac{7}{8})$

\_\_\_\_\_

⑤  $(-\frac{15}{28}) \times \frac{12}{25}$

\_\_\_\_\_

③  $-\frac{5}{8} - \frac{1}{6}$

\_\_\_\_\_

⑥  $(-\frac{6}{5}) \div (-12)$

\_\_\_\_\_





・ 次の計算をなさい。

①  $(-\frac{3}{11}) \times (-\frac{22}{27})$

\_\_\_\_\_

④  $\frac{7}{5} \times (-\frac{15}{7})$

\_\_\_\_\_

②  $(-\frac{5}{14}) \div \frac{5}{7}$

\_\_\_\_\_

⑤  $(-\frac{5}{12}) \div (-\frac{3}{4})$

\_\_\_\_\_

③  $-\frac{3}{4} - (+\frac{1}{12})$

\_\_\_\_\_

⑥  $-\frac{1}{7} + \frac{2}{3}$

\_\_\_\_\_





・ 次の計算をなさい。

①  $-\frac{4}{5} - (-\frac{2}{3})$

\_\_\_\_\_

④  $(-\frac{14}{15}) \times \frac{5}{6}$

\_\_\_\_\_

②  $\frac{9}{5} \div (-\frac{9}{20})$

\_\_\_\_\_

⑤  $(-\frac{4}{9}) \times (-\frac{3}{8})$

\_\_\_\_\_

③  $-\frac{3}{4} - \frac{7}{12}$

\_\_\_\_\_

⑥  $(-\frac{2}{7}) \div (-\frac{5}{14})$

\_\_\_\_\_





・ 次の計算をなさい。

①  $(-\frac{12}{13}) \times (-\frac{1}{6})$

\_\_\_\_\_

④  $\frac{1}{6} - (-\frac{1}{4})$

\_\_\_\_\_

②  $(-12) \div (-\frac{18}{5})$

\_\_\_\_\_

⑤  $(-\frac{15}{8}) \div \frac{5}{16}$

\_\_\_\_\_

③  $\frac{4}{5} \times (-\frac{10}{11})$

\_\_\_\_\_

⑥  $\frac{2}{5} - \frac{9}{10}$

\_\_\_\_\_





・ 次の計算をなさい。

①  $(-\frac{5}{8}) \times (-\frac{4}{5})$

\_\_\_\_\_

④  $-\frac{4}{9} - \frac{5}{27}$

\_\_\_\_\_

②  $(-\frac{6}{7}) \div \frac{15}{14}$

\_\_\_\_\_

⑤  $\frac{3}{5} - (+\frac{4}{15})$

\_\_\_\_\_

③  $(-\frac{9}{10}) \times \frac{10}{3}$

\_\_\_\_\_

⑥  $(-\frac{6}{7}) \div (-8)$

\_\_\_\_\_





【正負の数C7】

分数を含むかけ算・わり算

点

⑮ 力だめし

・ 次の計算をなさい。(各20点)

①  $\frac{5}{8} \times (-16)$

\_\_\_\_\_

④  $\frac{6}{7} \div (-9)$

\_\_\_\_\_

②  $(-\frac{3}{10}) \div \frac{9}{5}$

\_\_\_\_\_

⑤  $-\frac{3}{4} - (+\frac{1}{6})$

\_\_\_\_\_

③  $-\frac{4}{15} + \frac{2}{3}$

\_\_\_\_\_





・ 次の計算をなさい。(各20点)

①  $(-\frac{5}{6}) \div \frac{10}{27}$

---

④  $(-\frac{8}{3}) \times \frac{9}{4}$

---

②  $(-\frac{2}{5}) \times (-\frac{10}{11})$

---

⑤  $-\frac{9}{16} - (-\frac{1}{4})$

---

③  $-\frac{5}{6} - \frac{1}{18}$

---







&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{7} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



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$$\textcircled{1} \left(-\frac{9}{5}\right) \div \left(-\frac{6}{5}\right)$$

$$= \left(-\frac{9}{5}\right) \times \left(-\frac{5}{6}\right)$$

$$= + \left(\frac{\overset{3}{\cancel{9}}}{\underset{1}{\cancel{5}}} \times \frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{6}}}\right)$$

$$= \frac{3}{2}$$

$$\textcircled{2} \left(-\frac{4}{3}\right) \div 8$$

$$= \left(-\frac{4}{3}\right) \times \frac{1}{8}$$

$$= - \left(\frac{\overset{1}{\cancel{4}}}{3} \times \frac{1}{\underset{2}{\cancel{8}}}\right)$$

$$= -\frac{1}{6}$$





&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{7} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



・ 次の計算をします。□に分数を書きなさい。

$$\textcircled{1} \left(-\frac{3}{4}\right) \div \left(-\frac{5}{12}\right)$$

$$= \left(-\frac{3}{4}\right) \times \left(-\frac{12}{5}\right)$$

$$= + \left(\frac{\underset{1}{\cancel{3}}}{4} \times \frac{12^3}{\underset{1}{\cancel{5}}}\right)$$

$$= \frac{9}{5}$$

$$\textcircled{2} \frac{8}{9} \div \left(-\frac{4}{5}\right)$$

$$= \frac{8}{9} \times \left(-\frac{5}{4}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{8}}}{9} \times \frac{5}{\underset{1}{\cancel{4}}}\right)$$

$$= -\frac{10}{9}$$





&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{\cancel{7}} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



・ 次の計算をします。□に分数を書きなさい。

$$\textcircled{1} \left(-\frac{4}{9}\right) \div \left(-\frac{2}{3}\right)$$

$$= \left(-\frac{4}{9}\right) \times \left(-\frac{3}{2}\right)$$

$$= + \left(\frac{\overset{2}{\cancel{4}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{2}}}\right)$$

$$= \frac{2}{3}$$

$$\textcircled{2} \left(-\frac{6}{7}\right) \div \frac{3}{14}$$

$$= \left(-\frac{6}{7}\right) \times \left(\frac{14}{3}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{\underset{1}{\cancel{7}}} \times \frac{\overset{2}{\cancel{14}}}{\underset{1}{\cancel{3}}}\right)$$

$$= -4$$





&lt;分数を含む除法(わり算)&gt;

$$\left(-\frac{3}{8}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{3}{8}\right) \times \left(-\frac{2}{3}\right)$$

$$= + \left(\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{8}}} \times \frac{\overset{2}{\cancel{2}}}{\underset{1}{\cancel{3}}}\right)$$

$$= \frac{1}{4}$$

$$\frac{6}{7} \div (-15)$$

$$= \frac{6}{7} \times \left(-\frac{1}{15}\right)$$

$$= - \left(\frac{\overset{2}{\cancel{6}}}{\cancel{7}} \times \frac{1}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{35}$$

正の数・負の数でわるときは  
その数の逆数をかけよう！



・ 次の計算をします。□に分数を書きなさい。

$$\textcircled{1} \left(-\frac{2}{3}\right) \div \left(-\frac{5}{6}\right)$$

$$= \left(-\frac{2}{3}\right) \times \left(-\frac{6}{5}\right)$$

$$= + \left(\frac{\underset{1}{\cancel{2}}}{\cancel{3}} \times \frac{\overset{2}{\cancel{6}}}{5}\right)$$

$$= \frac{4}{5}$$

$$\textcircled{2} \frac{7}{9} \div \left(-\frac{14}{15}\right)$$

$$= \frac{7}{9} \times \left(-\frac{15}{14}\right)$$

$$= - \left(\frac{\overset{1}{\cancel{7}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{5}{\cancel{15}}}{\underset{2}{\cancel{14}}}\right)$$

$$= -\frac{5}{6}$$





・ 次の計算をなさい。

$$\textcircled{1} \left(-\frac{5}{4}\right) \times \left(+\frac{2}{3}\right)$$

$$= -\left(\frac{\overset{1}{\cancel{2}}}{\underset{2}{\cancel{4}}} \times \frac{\overset{1}{\cancel{2}}}{3}\right)$$

$$= -\frac{5}{6}$$

$$\underline{\underline{-\frac{5}{6}}}$$

$$\textcircled{2} \left(-\frac{1}{8}\right) \times \left(-\frac{4}{7}\right)$$

$$= +\left(\frac{\overset{1}{\cancel{4}}}{\underset{2}{\cancel{8}}} \times \frac{\overset{1}{\cancel{4}}}{7}\right)$$

$$= \frac{1}{14}$$

$$\underline{\underline{\frac{1}{14}}}$$

$$\textcircled{3} 12 \times \left(-\frac{5}{6}\right)$$

$$= -\left(\frac{\overset{2}{\cancel{12}}}{\underset{1}{\cancel{6}}} \times \frac{5}{\underset{1}{\cancel{6}}}\right)$$

$$= -10$$

$$\underline{\underline{-10}}$$

$$\textcircled{4} \left(+\frac{5}{6}\right) \div \left(-\frac{15}{8}\right)$$

$$= \left(+\frac{5}{6}\right) \times \left(-\frac{8}{15}\right)$$

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

$$= -\frac{4}{9}$$

$$\underline{\underline{-\frac{4}{9}}}$$

$$\textcircled{5} \left(-\frac{3}{4}\right) \div \left(-\frac{9}{2}\right)$$

$$= \left(-\frac{3}{4}\right) \times \left(-\frac{2}{9}\right)$$

$$= +\left(\frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{4}}} \times \frac{\overset{1}{\cancel{2}}}{\underset{3}{\cancel{9}}}\right)$$

$$= \frac{1}{6}$$

$$\underline{\underline{\frac{1}{6}}}$$

$$\textcircled{6} \left(-\frac{7}{8}\right) \div 14$$

$$= \left(-\frac{7}{8}\right) \times \frac{1}{14}$$

$$= -\left(\frac{\overset{1}{\cancel{7}}}{8} \times \frac{1}{\underset{2}{\cancel{14}}}\right)$$

$$= -\frac{1}{16}$$

$$\underline{\underline{-\frac{1}{16}}}$$





・ 次の計算をなさい。

$$\textcircled{1} \left(-\frac{7}{15}\right) \times \left(+\frac{10}{9}\right)$$

$$= -\left(\frac{\overset{1}{\cancel{7}}}{\underset{3}{\cancel{15}}} \times \frac{\overset{2}{\cancel{10}}}{9}\right)$$

$$= -\frac{14}{27}$$

$$\underline{\underline{-\frac{14}{27}}}$$

$$\textcircled{2} \left(-\frac{2}{3}\right) \times \left(-\frac{3}{4}\right)$$

$$= +\left(\frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{2}{\cancel{4}}}\right)$$

$$= \frac{1}{2}$$

$$\underline{\underline{\frac{1}{2}}}$$

$$\textcircled{3} \frac{3}{7} \times \left(-\frac{14}{15}\right)$$

$$= -\left(\frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{7}}} \times \frac{\overset{2}{\cancel{14}}}{\underset{5}{\cancel{15}}}\right)$$

$$= -\frac{2}{5}$$

$$\underline{\underline{-\frac{2}{5}}}$$

$$\textcircled{4} \left(+\frac{15}{16}\right) \div \left(-\frac{5}{8}\right)$$

$$= \left(+\frac{15}{16}\right) \times \left(-\frac{8}{5}\right)$$

$$= -\left(\frac{\overset{3}{\cancel{15}}}{\underset{2}{\cancel{16}}} \times \frac{\overset{1}{\cancel{8}}}{\underset{1}{\cancel{5}}}\right)$$

$$= -\frac{3}{2}$$

$$\underline{\underline{-\frac{3}{2}}}$$

$$\textcircled{5} \left(-\frac{1}{3}\right) \div \left(-\frac{7}{15}\right)$$

$$= \left(-\frac{1}{3}\right) \times \left(-\frac{15}{7}\right)$$

$$= +\left(\frac{\overset{1}{\cancel{1}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{5}{\cancel{15}}}{7}\right)$$

$$= \frac{5}{7}$$

$$\underline{\underline{\frac{5}{7}}}$$

$$\textcircled{6} \left(-\frac{3}{4}\right) \div \frac{9}{16}$$

$$= \left(-\frac{3}{4}\right) \times \frac{16}{9}$$

$$= -\left(\frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{4}}} \times \frac{\overset{4}{\cancel{16}}}{\underset{3}{\cancel{9}}}\right)$$

$$= -\frac{4}{3}$$

$$\underline{\underline{-\frac{4}{3}}}$$





・ 次の計算をなさい。

$$\textcircled{1} \left(-\frac{4}{9}\right) \times (+6)$$

$$= -\left(\frac{4}{\cancel{9}_3} \times \frac{\cancel{6}^2}{1}\right)$$

$$= -\frac{8}{3}$$

$$-\frac{8}{3}$$

$$\textcircled{2} \left(-\frac{3}{10}\right) \times \left(-\frac{2}{9}\right)$$

$$= +\left(\frac{\cancel{3}^1}{\cancel{10}_5} \times \frac{\cancel{2}^1}{\cancel{9}_3}\right)$$

$$= \frac{1}{15}$$

$$\frac{1}{15}$$

$$\textcircled{3} \frac{10}{21} \times \left(-\frac{3}{5}\right)$$

$$= -\left(\frac{\cancel{10}^2}{\cancel{21}_7} \times \frac{\cancel{3}^1}{\cancel{5}_1}\right)$$

$$= -\frac{2}{7}$$

$$-\frac{2}{7}$$

$$\textcircled{4} (+16) \div \left(-\frac{8}{9}\right)$$

$$= \left(+\frac{16}{1}\right) \times \left(-\frac{9}{8}\right)$$

$$= -\left(\frac{\cancel{16}^2}{1} \times \frac{9}{\cancel{8}_1}\right)$$

$$= -18$$

$$-18$$

$$\textcircled{5} \left(-\frac{5}{6}\right) \div \left(-\frac{3}{4}\right)$$

$$= \left(-\frac{5}{6}\right) \times \left(-\frac{4}{3}\right)$$

$$= +\left(\frac{\cancel{5}}{\cancel{6}_3} \times \frac{\cancel{4}^2}{3}\right)$$

$$= \frac{10}{9}$$

$$\frac{10}{9}$$

$$\textcircled{6} \left(-\frac{1}{5}\right) \div \frac{2}{15}$$

$$= \left(-\frac{1}{5}\right) \times \frac{15}{2}$$

$$= -\left(\frac{1}{\cancel{5}_1} \times \frac{\cancel{15}^3}{2}\right)$$

$$= -\frac{3}{2}$$

$$-\frac{3}{2}$$





・ 次の計算をしなさい。

$$\textcircled{1} \left(-\frac{7}{8}\right) \times \left(+\frac{4}{35}\right)$$

$$= -\left(\frac{\overset{1}{\cancel{7}}}{\underset{2}{\cancel{8}}} \times \frac{\overset{1}{\cancel{4}}}{\underset{5}{\cancel{35}}}\right)$$

$$= -\frac{1}{10}$$

$$-\frac{1}{10}$$

$$\textcircled{2} \left(-\frac{4}{5}\right) \times \left(-\frac{10}{9}\right)$$

$$= +\left(\frac{\underset{1}{\cancel{4}}}{\underset{1}{\cancel{5}}} \times \frac{\overset{2}{\cancel{10}}}{\underset{1}{\cancel{9}}}\right)$$

$$= \frac{8}{9}$$

$$\frac{8}{9}$$

$$\textcircled{3} \frac{8}{9} \times \left(-\frac{3}{2}\right)$$

$$= -\left(\frac{\overset{4}{\cancel{8}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{2}}}\right)$$

$$= -\frac{4}{3}$$

$$-\frac{4}{3}$$

$$\textcircled{4} \left(+\frac{9}{13}\right) \div (-6)$$

$$= \left(+\frac{9}{13}\right) \times \left(-\frac{1}{6}\right)$$

$$= -\left(\frac{\overset{3}{\cancel{9}}}{\underset{1}{\cancel{13}}} \times \frac{\overset{1}{\cancel{6}}}{\underset{2}{\cancel{6}}}\right)$$

$$= -\frac{3}{26}$$

$$-\frac{3}{26}$$

$$\textcircled{5} \left(-\frac{7}{15}\right) \div \left(-\frac{1}{3}\right)$$

$$= \left(-\frac{7}{15}\right) \times \left(-\frac{3}{1}\right)$$

$$= +\left(\frac{\underset{5}{\cancel{7}}}{\underset{5}{\cancel{15}}} \times \frac{\overset{1}{\cancel{3}}}{\underset{1}{\cancel{1}}}\right)$$

$$= \frac{7}{5}$$

$$\frac{7}{5}$$

$$\textcircled{6} \left(-\frac{4}{9}\right) \div \frac{8}{15}$$

$$= \left(-\frac{4}{9}\right) \times \frac{15}{8}$$

$$= -\left(\frac{\overset{1}{\cancel{4}}}{\underset{3}{\cancel{9}}} \times \frac{\overset{5}{\cancel{15}}}{\underset{2}{\cancel{8}}}\right)$$

$$= -\frac{5}{6}$$

$$-\frac{5}{6}$$







・ 次の計算をなさい。

$$\textcircled{1} \left(-\frac{4}{5}\right) \times (+10)$$

$$= -\left(\frac{\cancel{4}^1}{\cancel{5}_1} \times \frac{10^2}{1}\right)$$

$$= -8$$

$$\underline{\quad -8 \quad}$$

$$\textcircled{2} \left(-\frac{5}{14}\right) \times \left(-\frac{7}{15}\right)$$

$$= +\left(\frac{\cancel{5}^1}{\cancel{14}_2} \times \frac{\cancel{7}^1}{\cancel{15}_3}\right)$$

$$= \frac{1}{6}$$

$$\underline{\quad \frac{1}{6} \quad}$$

$$\textcircled{3} \frac{3}{8} \times \left(-\frac{16}{15}\right)$$

$$= -\left(\frac{\cancel{3}^1}{\cancel{8}_1} \times \frac{16^2}{\cancel{15}_5}\right)$$

$$= -\frac{2}{5}$$

$$\underline{\quad -\frac{2}{5} \quad}$$

$$\textcircled{4} \left(+\frac{5}{24}\right) \div \left(-\frac{15}{8}\right)$$

$$= \left(+\frac{5}{24}\right) \times \left(-\frac{8}{15}\right)$$

$$= -\left(\frac{\cancel{5}^1}{\cancel{24}_3} \times \frac{\cancel{8}^1}{\cancel{15}_3}\right)$$

$$= -\frac{1}{9}$$

$$\underline{\quad -\frac{1}{9} \quad}$$

$$\textcircled{5} (-5) \div \left(-\frac{2}{3}\right)$$

$$= \left(-\frac{5}{1}\right) \times \left(-\frac{3}{2}\right)$$

$$= +\left(\frac{5}{1} \times \frac{3}{2}\right)$$

$$= \frac{15}{2}$$

$$\underline{\quad \frac{15}{2} \quad}$$

$$\textcircled{6} \left(-\frac{3}{14}\right) \div \frac{5}{7}$$

$$= \left(-\frac{3}{14}\right) \times \frac{7}{5}$$

$$= -\left(\frac{\cancel{3}^1}{\cancel{14}_2} \times \frac{\cancel{7}^1}{5}\right)$$

$$= -\frac{3}{10}$$

$$\underline{\quad -\frac{3}{10} \quad}$$





・ 次の計算をなさい。

$$\textcircled{1} (-7) \times (-\frac{3}{14})$$

$$= +(\frac{\cancel{7}^1}{\cancel{14}_2} \times \frac{3}{\cancel{14}_2})$$

$$= \frac{3}{2}$$

$$\underline{\underline{\frac{3}{2}}}$$

$$\textcircled{2} \frac{7}{12} \div (-\frac{7}{8})$$

$$= \frac{7}{12} \times (-\frac{8}{7})$$

$$= -(\frac{\cancel{7}^1}{\cancel{12}_3} \times \frac{\cancel{8}^2}{\cancel{7}_1})$$

$$= -\frac{2}{3}$$

$$\underline{\underline{-\frac{2}{3}}}$$

$$\textcircled{3} -\frac{5}{8} - \frac{1}{6}$$

$$= -\frac{15}{24} - \frac{4}{24}$$

$$= -\frac{19}{24}$$

$$\underline{\underline{-\frac{19}{24}}}$$

$$\textcircled{4} \frac{5}{9} - (+\frac{13}{18})$$

$$= \frac{5}{9} + (-\frac{13}{18})$$

$$= \frac{5}{9} - \frac{13}{18}$$

$$= -\frac{3}{18} = -\frac{1}{6} \quad \underline{\underline{-\frac{1}{6}}}$$

$$\textcircled{5} (-\frac{15}{28}) \times \frac{12}{25}$$

$$= -(\frac{\cancel{15}^3}{\cancel{28}_7} \times \frac{\cancel{12}^3}{\cancel{25}_5})$$

$$= -\frac{9}{35}$$

$$\underline{\underline{-\frac{9}{35}}}$$

$$\textcircled{6} (-\frac{6}{5}) \div (-12)$$

$$= (-\frac{6}{5}) \times (-\frac{1}{12})$$

$$= +(\frac{\cancel{6}^1}{\cancel{12}_2} \times \frac{1}{\cancel{12}_2})$$

$$= \frac{1}{10}$$

$$\underline{\underline{\frac{1}{10}}}$$





・ 次の計算をなさい。

$$\textcircled{1} \left(-\frac{3}{11}\right) \times \left(-\frac{22}{27}\right)$$

$$= + \left(\frac{\cancel{3}}{\cancel{11}} \times \frac{2\cancel{2}^2}{\cancel{27}_9}\right)$$

$$= \frac{2}{9}$$

$$\underline{\frac{2}{9}}$$

$$\textcircled{2} \left(-\frac{5}{14}\right) \div \frac{5}{7}$$

$$= \left(-\frac{5}{14}\right) \times \frac{7}{5}$$

$$= - \left(\frac{\cancel{5}}{\cancel{14}_2} \times \frac{\cancel{7}^1}{\cancel{5}_1}\right)$$

$$= -\frac{1}{2}$$

$$\underline{-\frac{1}{2}}$$

$$\textcircled{3} -\frac{3}{4} - \left(+\frac{1}{12}\right)$$

$$= -\frac{3}{4} + \left(-\frac{1}{12}\right)$$

$$= -\frac{3}{4} - \frac{1}{12}$$

$$= -\frac{10}{12} = -\frac{5}{6}$$

$$\underline{-\frac{5}{6}}$$

$$\textcircled{4} \frac{7}{5} \times \left(-\frac{15}{7}\right)$$

$$= - \left(\frac{\cancel{7}}{\cancel{5}} \times \frac{\cancel{15}^3}{\cancel{7}_1}\right)$$

$$= -3$$

$$\underline{-3}$$

$$\textcircled{5} \left(-\frac{5}{12}\right) \div \left(-\frac{3}{4}\right)$$

$$= \left(-\frac{5}{12}\right) \times \left(-\frac{4}{3}\right)$$

$$= + \left(\frac{\cancel{5}}{\cancel{12}_3} \times \frac{\cancel{4}^1}{\cancel{3}_1}\right)$$

$$= \frac{5}{9}$$

$$\underline{\frac{5}{9}}$$

$$\textcircled{6} -\frac{1}{7} + \frac{2}{3}$$

$$= -\frac{3}{21} + \frac{14}{21}$$

$$= \frac{11}{21}$$

$$\underline{\frac{11}{21}}$$





・ 次の計算をなさい。

$$\textcircled{1} -\frac{4}{5}-\left(-\frac{2}{3}\right)$$

$$=-\frac{4}{5}+(+\frac{2}{3})$$

$$=-\frac{4}{5}+\frac{2}{3}$$

$$=-\frac{2}{15} \qquad \underline{\qquad -\frac{2}{15} \qquad}$$

$$\textcircled{2} \frac{9}{5} \div \left(-\frac{9}{20}\right)$$

$$=\frac{9}{5} \times \left(-\frac{20}{9}\right)$$

$$=-\left(\frac{9}{5} \times \frac{20}{9}\right)$$

$$=-4 \qquad \underline{\qquad -4 \qquad}$$

$$\textcircled{3} -\frac{3}{4}-\frac{7}{12}$$

$$=-\frac{9}{12}-\frac{7}{12}$$

$$=-\frac{16}{12}$$

$$=-\frac{4}{3} \qquad \underline{\qquad -\frac{4}{3} \qquad}$$

$$\textcircled{4} \left(-\frac{14}{15}\right) \times \frac{5}{6}$$

$$=-\left(\frac{14}{15} \times \frac{5}{6}\right)$$

$$=-\frac{7}{9}$$

$$\underline{\qquad -\frac{7}{9} \qquad}$$

$$\textcircled{5} \left(-\frac{4}{9}\right) \times \left(-\frac{3}{8}\right)$$

$$=+\left(\frac{4}{9} \times \frac{3}{8}\right)$$

$$=\frac{1}{6}$$

$$\underline{\qquad \frac{1}{6} \qquad}$$

$$\textcircled{6} \left(-\frac{2}{7}\right) \div \left(-\frac{5}{14}\right)$$

$$=\left(-\frac{2}{7}\right) \times \left(-\frac{14}{5}\right)$$

$$=+\left(\frac{2}{7} \times \frac{14}{5}\right)$$

$$=\frac{4}{5}$$

$$\underline{\qquad \frac{4}{5} \qquad}$$





・ 次の計算をなさい。

$$\textcircled{1} \left(-\frac{12}{13}\right) \times \left(-\frac{1}{6}\right)$$

$$= + \left(\frac{\overset{2}{\cancel{12}}}{13} \times \frac{1}{\cancel{6}_1}\right)$$

$$= \frac{2}{13}$$

$$\underline{\underline{\frac{2}{13}}}$$

$$\textcircled{2} (-12) \div \left(-\frac{18}{5}\right)$$

$$= \left(-\frac{12}{1}\right) \times \left(-\frac{5}{18}\right)$$

$$= + \left(\frac{\overset{2}{\cancel{12}}}{1} \times \frac{5}{\cancel{18}_3}\right)$$

$$= \frac{10}{3}$$

$$\underline{\underline{\frac{10}{3}}}$$

$$\textcircled{3} \frac{4}{5} \times \left(-\frac{10}{11}\right)$$

$$= - \left(\frac{4}{\cancel{5}_1} \times \frac{\cancel{10}^2}{11}\right)$$

$$= -\frac{8}{11}$$

$$\underline{\underline{-\frac{8}{11}}}$$

$$\textcircled{4} \frac{1}{6} - \left(-\frac{1}{4}\right)$$

$$= \frac{1}{6} + \left(+\frac{1}{4}\right)$$

$$= \frac{1}{6} + \frac{1}{4}$$

$$= \frac{5}{12}$$

$$\underline{\underline{\frac{5}{12}}}$$

$$\textcircled{5} \left(-\frac{15}{8}\right) \div \frac{5}{16}$$

$$= \left(-\frac{15}{8}\right) \times \frac{16}{5}$$

$$= - \left(\frac{\overset{3}{\cancel{15}}}{\cancel{8}_1} \times \frac{\cancel{16}^2}{\cancel{5}_1}\right)$$

$$= -6$$

$$\underline{\underline{-6}}$$

$$\textcircled{6} \frac{2}{5} - \frac{9}{10}$$

$$= \frac{4}{10} - \frac{9}{10}$$

$$= -\frac{5}{10}$$

$$= -\frac{1}{2}$$

$$\underline{\underline{-\frac{1}{2}}}$$





・ 次の計算をなさい。

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

$$= + \left( \frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{8}}} \times \frac{\overset{1}{\cancel{4}}}{\underset{1}{\cancel{5}}} \right)$$

$$= \frac{1}{2}$$

$$\underline{\frac{1}{2}}$$

$$\textcircled{4} -\frac{4}{9} - \frac{5}{27}$$

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

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

$$\underline{-\frac{17}{27}}$$

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

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

$$= - \left( \frac{\overset{2}{\cancel{6}}}{\underset{1}{\cancel{7}}} \times \frac{\overset{2}{\cancel{14}}}{\underset{5}{\cancel{15}}} \right)$$

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

$$\underline{-\frac{4}{5}}$$

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

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

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

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

$$\underline{\frac{1}{3}}$$

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

$$= - \left( \frac{\overset{3}{\cancel{9}}}{\underset{1}{\cancel{10}}} \times \frac{\overset{1}{\cancel{10}}}{\underset{3}{\cancel{3}}} \right)$$

$$= -3$$

$$\underline{-3}$$

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

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

$$= + \left( \frac{\overset{3}{\cancel{6}}}{\underset{7}{\cancel{7}}} \times \frac{\overset{1}{\cancel{8}}}{\underset{4}{\cancel{8}}} \right)$$

$$= \frac{3}{28}$$

$$\underline{\frac{3}{28}}$$





・ 次の計算をなさい。(各20点)

$$\textcircled{1} \frac{5}{8} \times (-16)$$

$$= -\left(\frac{5}{\cancel{8}_1} \times \frac{\cancel{16}^2}{1}\right)$$

$$= -10$$

$$\underline{\quad -10 \quad}$$

$$\textcircled{2} \left(-\frac{3}{10}\right) \div \frac{9}{5}$$

$$= \left(-\frac{3}{10}\right) \times \frac{5}{9}$$

$$= -\left(\frac{\cancel{3}_2}{\cancel{10}_5} \times \frac{\cancel{5}^1}{\cancel{9}_3}\right)$$

$$= -\frac{1}{6}$$

$$\underline{\quad -\frac{1}{6} \quad}$$

$$\textcircled{3} -\frac{4}{15} + \frac{2}{3}$$

$$= -\frac{4}{15} + \frac{10}{15}$$

$$= \frac{6}{15}$$

$$= \frac{2}{5}$$

$$\underline{\quad \frac{2}{5} \quad}$$

$$\textcircled{4} \frac{6}{7} \div (-9)$$

$$= \frac{6}{7} \times \left(-\frac{1}{9}\right)$$

$$= -\left(\frac{\cancel{6}^2}{7} \times \frac{1}{\cancel{9}_3}\right)$$

$$= -\frac{2}{21}$$

$$\underline{\quad -\frac{2}{21} \quad}$$

$$\textcircled{5} -\frac{3}{4} - \left(+\frac{1}{6}\right)$$

$$= -\frac{3}{4} + \left(-\frac{1}{6}\right)$$

$$= -\frac{3}{4} - \frac{1}{6}$$

$$= -\frac{11}{12}$$

$$\underline{\quad -\frac{11}{12} \quad}$$





・ 次の計算をしなさい。(各20点)

$$\textcircled{1} \left(-\frac{5}{6}\right) \div \frac{10}{27}$$

$$= \left(-\frac{5}{6}\right) \times \frac{27}{10}$$

$$= -\left(\frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{6}}} \times \frac{\overset{27}{\cancel{10}}}{\underset{2}{\cancel{10}}}\right)$$

$$= -\frac{9}{4} \quad \underline{\quad -\frac{9}{4} \quad}$$

$$\textcircled{4} \left(-\frac{8}{3}\right) \times \frac{9}{4}$$

$$= -\left(\frac{\overset{2}{\cancel{8}}}{\underset{1}{\cancel{3}}} \times \frac{\overset{9}{\cancel{4}}}{\underset{1}{\cancel{4}}}\right)$$

$$= -6 \quad \underline{\quad -6 \quad}$$

$$\textcircled{2} \left(-\frac{2}{5}\right) \times \left(-\frac{10}{11}\right)$$

$$= +\left(\frac{\underset{1}{\cancel{2}}}{\cancel{5}} \times \frac{\overset{10}{\cancel{10}}}{\cancel{11}}\right)$$

$$= \frac{4}{11} \quad \underline{\quad \frac{4}{11} \quad}$$

$$\textcircled{5} -\frac{9}{16} - \left(-\frac{1}{4}\right)$$

$$= -\frac{9}{16} + \left(+\frac{1}{4}\right)$$

$$= -\frac{9}{16} + \frac{1}{4} \quad \underline{\quad -\frac{5}{16} \quad}$$

$$\textcircled{3} -\frac{5}{6} - \frac{1}{18}$$

$$= -\frac{15}{18} - \frac{1}{18}$$

$$= -\frac{16}{18}$$

$$= -\frac{8}{9} \quad \underline{\quad -\frac{8}{9} \quad}$$

