

1. 次の分数を小数で表せ。

Represents the next fractions as decimals.

れい　だい 例題	もん　だい 問題
$\frac{11}{4} = \underline{2.75}$ <div><div>2.75</div><div>4) 11.000</div><div>8</div><div>30</div><div>28</div><div>20</div><div>20</div><div>0</div></div>	$\frac{9}{4}$ <div><div></div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>
$\frac{13}{5} = \underline{2.6}$ <div><div>2.6</div><div>5) 13.000</div><div>10</div><div>30</div><div>30</div><div>0</div></div>	$\frac{12}{5}$ <div><div></div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>
$\frac{11}{6} = \underline{1.833\cdots}$ <div><div>1.833</div><div>6) 11.000</div><div>6</div><div>50</div><div>48</div><div>20</div><div>18</div><div>20</div><div>18</div><div>2</div></div>	$\frac{1}{6}$ <div><div></div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>

2. 有限小数になる分数に　をつけなさい。

Circle the fractions that are finite decimals.

れい　だい 例題	もん　だい 問題
$\frac{11}{4}$	$\frac{9}{4}$
$\frac{11}{5}$	$\frac{7}{5}$
$\frac{11}{6} \times$	$\frac{1}{9}$
$\frac{3}{10}$	$\frac{7}{20}$
$\frac{3}{6} = \frac{1}{2}$	$\frac{3}{12}$

3. 次の小数 x を分数で表せ。

Represents the next decimal point x as a fraction.

れい　だい 例題	もん　だい 問題
$x = 0.25$ $= \frac{25}{100} = \underline{\frac{1}{4}}$	$x = 0.75$
$x = 0.125$ $= \frac{125}{1000} = \underline{\frac{1}{8}}$	$x = 0.075$
$x = 0.\dot{3}$ $= 0.333\cdots$ $\left(\begin{array}{r} 10x = 3.333\cdots \\ - \quad x = 0.333\cdots \\ \hline 9x = 3 \end{array} \right)$ $x = \frac{3}{9} = \underline{\frac{1}{3}}$	$x = 0.\dot{6}$ $= 0.666\cdots$
$x = 0.\dot{3}\dot{9}$ $= 0.393939\cdots$ $\left(\begin{array}{r} 100x = 39.39\cdots \\ - \quad \quad x = 0.39\cdots \\ \hline 99x = 39 \end{array} \right)$ $x = \frac{39}{99} = \underline{\frac{13}{33}}$	$x = 0.\dot{6}\dot{9}$ $= 0.696969\cdots$
$x = 0.0\dot{3}$ $= 0.0333\cdots$ $10x = 0.333\cdots$ $10x = \frac{3}{9} = \frac{1}{3}$ $x = \underline{\frac{1}{30}}$	$x = 0.0\dot{6}$ $= 0.066\cdots$
$x = 0.8\dot{3}$ $= 0.8333\cdots$ $x = 0.8 + 0.0333\cdots$ $= \frac{8}{10} + \frac{1}{30}$ $= \frac{25}{30} = \underline{\frac{5}{6}}$	$x = 0.5\dot{6}$ $= 0.5666\cdots$

1. 次の分数を小数で表せ。

Represents the next fractions as decimals.

例題	問題
$\frac{13}{4} = \underline{3.25}$ <div><div>3.25</div><div>4) 13.25</div><div>12</div><div>10</div><div>8</div><div>20</div><div>20</div><div>0</div></div>	$\frac{7}{4}$ <div><div></div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>
$\frac{23}{5} = \underline{4.6}$ <div><div>4.6</div><div>5) 23</div><div>20</div><div>30</div><div>30</div><div>0</div></div>	$\frac{29}{5}$ <div><div></div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>
$\frac{13}{6} = \underline{2.166\cdots}$ <div><div>2.166</div><div>6) 13</div><div>12</div><div>10</div><div>6</div><div>40</div><div>36</div><div>40</div><div>66</div><div>66</div><div>4</div></div>	$\frac{5}{6}$ <div><div></div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>

2. 有限小数になる分数に をつけなさい。

Circle the fractions that are finite decimals.

例題	問題
$\frac{13}{4}$	$\frac{7}{4}$
$\frac{23}{5}$	$\frac{9}{5}$
$\frac{13}{6}$ ×	$\frac{5}{6}$
$\frac{3}{10}$	$\frac{13}{20}$
$\frac{3}{12} = \frac{1}{4}$	$\frac{8}{12}$

3. 次の小数 x を分数で表せ。

Represents the next decimal point x as a fraction.

例題	問題
$x = 0.75$ $= \frac{75}{100} = \underline{\frac{3}{4}}$	$x = 0.05$
$x = 0.375$ $= \frac{375}{1000} = \underline{\frac{3}{8}}$	$x = 0.125$
$x = 0.\dot{6}$ $= 0.666\cdots$ $\left(\begin{array}{r} 10x = 6.666\cdots \\ - \quad x = 0.666\cdots \\ \hline 9x = 6 \end{array} \right)$ $x = \frac{6}{9} = \underline{\frac{2}{3}}$	$x = 0.\dot{5}$ $= 0.555\cdots$
$x = 0.\dot{7}\dot{2}$ $= 0.727272\cdots$ $\left(\begin{array}{r} 100x = 72.72\cdots \\ - \quad x = 0.72\cdots \\ \hline 99x = 72 \end{array} \right)$ $x = \frac{72}{99} = \underline{\frac{24}{33}}$	$x = 0.\dot{1}\dot{9}$ $= 0.191919\cdots$
$x = 0.0\dot{6}$ $= 0.0666\cdots$ $10x = 0.666\cdots$ $10x = \frac{6}{9} = \frac{2}{3}$ $x = \frac{2}{30} = \underline{\frac{1}{15}}$	$x = 0.0\dot{5}$ $= 0.0555\cdots$
$x = 0.1\dot{6}$ $= 0.1666\cdots$ $x = 0.1 + 0.066\cdots$ $= \frac{1}{10} + \frac{1}{15}$ $= \frac{5}{30} = \underline{\frac{1}{6}}$	$x = 0.3\dot{5}$ $= 0.3555\cdots$

1. 次の分数を小数で表せ。

Represents the next fractions as decimals.

れいだい 例題	もんだい 問題
$\frac{5}{8} = \underline{0.625}$ <div><div>0.625</div><div>8) 5 4 8 2 0 1 6 4 0 4 0 0</div></div>	$\frac{3}{8}$ <div><div></div><div>)</div></div>
$\frac{12}{5} = \underline{2.4}$ <div><div>2.4</div><div>5) 12 10 2 0 2 0 0</div></div>	$\frac{26}{5}$ <div><div></div><div>)</div></div>
$\frac{7}{6} = \underline{1.166\cdots}$ <div><div>1.1666</div><div>6) 7 6 1 0 6 4 0 3 6 4 0 3 6 4</div></div>	$\frac{9}{6}$ <div><div></div><div>)</div></div>

2. 有限小数になる分数に をつけなさい。

Circle the fractions that are finite decimals.

れいだい 例題	もんだい 問題
$\frac{5}{8}$	$\frac{3}{8}$
$\frac{11}{5}$	$\frac{24}{5}$
$\frac{7}{6}$ ×	$\frac{9}{6}$
$\frac{3}{10}$	$\frac{7}{20}$
$\frac{3}{12} = \frac{1}{4}$	$\frac{4}{12}$

3. 次の小数 x を分数で表せ。

Represents the next decimal point x as a fraction.

れいだい 例題	もんだい 問題
$x = 0.35$ $= \frac{35}{100} = \underline{\frac{7}{20}}$	$x = 0.45$
$x = 0.875$ $= \frac{875}{1000} = \underline{\frac{7}{8}}$	$x = 0.375$
$x = 0.\dot{2}$ $= 0.222\cdots$ $\left(\begin{array}{r} 10x = 2.222\cdots \\ - \quad x = 0.222\cdots \\ \hline 9x = 2 \end{array} \right)$ $x = \underline{\frac{2}{9}}$	$x = 0.\dot{8}$ $= 0.888\cdots$
$x = 0.\dot{1}\dot{8}$ $= 0.181818\cdots$ $\left(\begin{array}{r} 100x = 18.18\cdots \\ - \quad x = 0.18\cdots \\ \hline 99x = 18 \end{array} \right)$ $x = \frac{18}{99} = \underline{\frac{2}{11}}$	$x = 0.\dot{5}\dot{6}$ $= 0.5656\cdots$
$x = 0.0\dot{6}$ $= 0.0666\cdots$ $10x = 0.666\cdots$ $10x = \frac{6}{9} = \frac{2}{3}$ $x = \frac{2}{30} = \underline{\frac{1}{15}}$	$x = 0.0\dot{3}$ $= 0.0333\cdots$
$x = 0.8\dot{6}$ $= 0.8666\cdots$ $x = 0.8 + 0.0666\cdots$ $= \frac{8}{10} + \frac{1}{15}$ $= \frac{26}{30} = \underline{\frac{13}{15}}$	$x = 0.9\dot{3}$ $= 0.9333\cdots$

1. 次の分数を小数で表せ。

Represents the next fractions as decimals.

れいだい 例題	もんだい 問題
$\frac{3}{4} = \underline{0.75}$ <div><div>0.75</div><div>4) 3 2 0 0</div></div>	$\frac{1}{4}$ <div><div></div><div>)</div></div>
$\frac{2}{3} = \underline{0.666\cdots}$ <div><div>0.666</div><div>3) 2 1 2 1 8</div></div>	$\frac{5}{9}$ <div><div></div><div>)</div></div>

2. 次の小数 x を分数で表せ。

Represents the next decimal point x as a fraction.

れいだい 例題	もんだい 問題
$x = 1.25$ $= \frac{125}{100} = \underline{\frac{5}{4}}$	$x = 2.75$
$x = 0.675$ $= \frac{675}{1000} = \underline{\frac{5}{8}}$	$x = 0.875$
$x = 0.\dot{7} = 0.777\cdots$ <div><div>10 $x = 7.777\cdots$</div><div>-) $x = 0.777\cdots$</div><div>9 $x = 7$</div></div> $x = \underline{\frac{7}{9}}$	$x = 0.\dot{8}$
$x = 0.\dot{2}\dot{9} = 0.292929\cdots$ <div><div>100 $x = 29.29\cdots$</div><div>-) $x = 0.29\cdots$</div><div>99 $x = 29$</div></div> $x = \underline{\frac{29}{99}}$	$x = 0.\dot{5}\dot{9} = 0.5959\cdots$

3. 次の分数の計算をせよ。

Calculate the following fractions.

れいだい 例題	もんだい 問題
$\frac{1}{2} + \frac{3}{10}$ $= \frac{5}{10} + \frac{3}{10}$ $= \frac{8}{10} = \frac{4}{5}$	$\frac{2}{5} + \frac{1}{10}$
$\frac{7}{15} + \frac{9}{20}$ $= \frac{28}{60} + \frac{27}{60}$ $= \frac{55}{60} = \frac{11}{12}$	$\frac{5}{12} + \frac{8}{15}$
$\frac{3}{4} - \frac{3}{20}$ $= \frac{15}{20} - \frac{3}{20}$ $= \frac{12}{20} = \frac{3}{5}$	$\frac{1}{8} - \frac{1}{40}$
$\frac{5}{6} \times \frac{3}{4}$ $= \frac{5 \times 1}{2 \times 4} = \frac{5}{8}$	$\frac{3}{4} \times \frac{8}{5}$
$\frac{5}{14} \times \frac{7}{10}$ $= \frac{1 \times 1}{2 \times 2} = \frac{1}{4}$	$\frac{3}{4} \times \frac{8}{9}$
$\frac{3}{8} \div \frac{5}{6}$ $= \frac{3}{4} \times \frac{6}{5}$ $= \frac{3 \times 3}{4 \times 5} = \frac{9}{20}$	$\frac{5}{6} \div \frac{2}{3}$

1. 次の分数を小数で表せ。

Represents the next fractions as decimals.

れい　だい 例題	もん　だい 問題
$\frac{13}{20} = \underline{0.65}$ <div><div>20</div><div>13</div><div>0.65</div></div>	$\frac{17}{20}$ <div><div></div><div>17</div><div></div></div>
$\frac{5}{3} = \underline{1.66\cdots}$ <div><div>3</div><div>5</div><div>1.66</div></div>	$\frac{5}{6}$ <div><div></div><div>5</div><div></div></div>

2. 次の小数 x を分数で表せ。

Represents the next decimal point x as a fraction.

れい　だい 例題	もん　だい 問題
$x = 1.75$ $= \frac{175}{100} = \underline{\frac{7}{4}}$	$x = 1.25$
$x = 0.375$ $= \frac{375}{1000} = \underline{\frac{3}{8}}$	$x = 0.125$
$x = 0.\dot{3} = 0.333\cdots$ <div><div>10 $x = 3.333\cdots$</div><div>- $x = 0.333\cdots$</div><div>9 $x = 3$</div></div> $x = \frac{3}{9} = \underline{\frac{1}{3}}$	$x = 0.\dot{6}$
$x = 0.1\dot{6}$ $= 0.166\cdots$ <div><div>10 $x = 1.666\cdots$</div><div>- $x = 0.166\cdots$</div><div>9 $x = 1.5$</div></div> $x = \frac{1.5}{9} = \frac{15}{90} = \underline{\frac{1}{6}}$	$x = 0.8\dot{3}$ $= 0.8333\cdots$

3. 次の分数の計算をせよ。

Calculate the following fractions.

れい　だい 例題	もん　だい 問題
$\frac{1}{4} + \frac{1}{4}$ $= \frac{2}{4} = \frac{1}{2}$	$\frac{1}{6} + \frac{1}{6}$
$\frac{1}{4} - \frac{1}{4}$ $= \frac{0}{4} = 0$	$\frac{1}{6} - \frac{1}{6}$
$\frac{1}{6} + \frac{1}{12}$ $= \frac{2}{12} + \frac{1}{12}$ $= \frac{3}{12} = \frac{1}{4}$	$\frac{1}{4} + \frac{1}{12}$
$\frac{1}{12} - \frac{1}{28}$ $= \frac{7}{84} - \frac{3}{84}$ $= \frac{4}{84} = \frac{1}{21}$	$\frac{1}{12} - \frac{1}{20}$
$\frac{7}{9} \times \frac{3}{2}$ $= \frac{7 \times 1}{3 \times 2} = \frac{7}{6}$	$\frac{5}{8} \times \frac{2}{3}$
$\frac{5}{21} \times \frac{7}{15}$ $= \frac{1 \times 1}{3 \times 3} = \frac{1}{9}$	$\frac{3}{14} \times \frac{7}{12}$
$\frac{5}{8} \div \frac{5}{6}$ $= \frac{5}{8} \times \frac{6}{5}$ $= \frac{1 \times 3}{4 \times 1} = \frac{3}{4}$	$\frac{3}{8} \div \frac{3}{4}$