

1. 次の分数を小数で表せ。
Represents the following fractions as decimals.

例題	問題
<div>① $\frac{3}{8} = \underline{0.375}$</div> <div><div>0.375</div><div>8) 3 24 60 56 40 40 0</div></div>	<div>① $\frac{5}{8} =$</div> <div><div></div><div>)</div></div>
<div>② $\frac{3}{20} = \underline{0.15}$</div> <div><div>0.15</div><div>20) 3 20 100 100 0</div></div>	<div>② $\frac{9}{20} =$</div> <div><div></div><div>)</div></div>
<div>③ $\frac{17}{6} = \underline{2.833\cdots}$</div> <div><div>2.833</div><div>6) 17 12 50 48 20 18 20 18 2</div></div>	<div>③ $\frac{15}{6} =$</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
<div>① $\frac{3}{8}$ ○</div>	<div>① $\frac{5}{8}$</div>
<div>② $\frac{1}{5}$ ○</div>	<div>② $\frac{7}{5}$</div>
<div>③ $\frac{3}{20}$ ○</div>	<div>③ $\frac{3}{40}$</div>
<div>④ $\frac{17}{6}$ ×</div>	<div>④ $\frac{15}{6}$</div>
<div>⑤ $\frac{3}{6} = \frac{1}{2}$ ○</div>	<div>⑤ $\frac{3}{12}$</div>

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
<div>① $x = 0.35$</div> <div>$= \frac{35}{100} = \frac{7}{20}$</div>	<div>① $x = 0.15$</div>
<div>② $x = 0.375$</div> <div>$= \frac{375}{1000} = \frac{3}{8}$</div>	<div>② $x = 0.625$</div>
<div>③ $x = 0.\dot{6}$ $= 0.666\cdots$</div> <div>$\left(\begin{array}{r} 10x = 6.666\cdots \\ - \quad x = 0.666\cdots \\ \hline 9x = 6 \end{array} \right)$</div> <div>$x = \frac{6}{9} = \frac{2}{3}$</div>	<div>③ $x = 0.\dot{3}$ $= 0.333\cdots$</div>
<div>④ $x = 0.\dot{1}\dot{8}$ $= 0.181818\cdots$</div> <div>$\left(\begin{array}{r} 100x = 18.18\cdots \\ - \quad x = 0.18\cdots \\ \hline 99x = 18 \end{array} \right)$</div> <div>$x = \frac{18}{99} = \frac{2}{11}$</div>	<div>④ $x = 0.\dot{9}\dot{3}$ $= 0.939393\cdots$</div>
<div>⑤ $x = 0.0\dot{6}$ $= 0.0666\cdots$</div> <div>$10x = 0.666\cdots$</div> <div>$10x = \frac{6}{9} = \frac{2}{3}$</div> <div>$\therefore x = \frac{2}{30} = \frac{1}{15}$</div>	<div>⑤ $x = 0.0\dot{3}$ $= 0.0333\cdots$</div>
<div>⑥ $x = 0.1\dot{6}$ $= 0.1666\cdots$</div> <div>$x = 0.1 + 0.0666\cdots$</div> <div>$= \frac{1}{10} + \frac{1}{15}$</div> <div>$= \frac{5}{30} = \frac{1}{6}$</div>	<div>⑥ $x = 0.8\dot{3}$ $= 0.8333\cdots$</div>

1. 次の分数を小 数で表 せ。

Represents the following fractions as decimals.

れい　だい 例題	もん　だい 問題
<div>① $\frac{10}{8} = \underline{1.25}$</div> <div><div>8) 1 0</div><div>8</div><div>2 0</div><div>1 6</div><div>4 0</div><div>4 0</div><div>0</div></div>	<div>① $\frac{6}{8} =$</div> <div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>
<div>② $\frac{12}{16} = \underline{0.75}$</div> <div><div>1 6) 1 2</div><div>1 1 2</div><div>8 0</div><div>8 0</div><div>0</div></div>	<div>② $\frac{3}{12} =$</div> <div><div>)</div><div></div><div></div><div></div><div></div><div></div><div></div></div>
<div>③ $\frac{13}{9} = \underline{1.444\cdots}$</div> <div><div>9) 1 3</div><div>9</div><div>4 0</div><div>3 6</div><div>4 0</div><div>3 6</div><div>4 0</div><div>3 6</div><div>4</div></div>	<div>③ $\frac{15}{9} =$</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
① $\frac{10}{8}$ ○	① $\frac{6}{8}$
② $\frac{12}{16} = \frac{3}{4}$ ○	② $\frac{3}{12}$
③ $\frac{7}{9}$ ×	③ $\frac{5}{9}$
④ $\frac{4}{5}$ ○	④ $\frac{6}{5}$
⑤ $\frac{4}{12} = \frac{1}{3}$ ×	⑤ $\frac{6}{12}$

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
<div>① $x = 0.55$</div> <div>$= \frac{55}{100} = \frac{11}{20}$</div>	<div>① $x = 0.45$</div>
<div>② $x = 0.625$</div> <div>$= \frac{625}{1000} = \frac{5}{8}$</div>	<div>② $x = 0.125$</div>
<div>③ $x = 0.\dot{7}$</div> <div>$= 0.777\cdots$</div> <div>$\left(\begin{array}{r} 10\ x = 7.777\cdots \\ -\quad x = 0.777\cdots \\ \hline 9\ x = 7 \end{array} \right)$</div> <div>$x = \frac{7}{9}$</div>	<div>③ $x = 0.\dot{1}$</div> <div>$= 0.111\cdots$</div>
<div>④ $x = 0.\dot{1}\ 2\ \dot{3}$</div> <div>$= 0.123123\cdots$</div> <div>$\left(\begin{array}{r} 1000\ x = 123.123\cdots \\ -\quad x = 0.123\cdots \\ \hline 999\ x = 123 \end{array} \right)$</div> <div>$x = \frac{123}{999} = \frac{41}{333}$</div>	<div>④ $x = 0.\dot{3}\ 2\ \dot{1}$</div> <div>$= 0.321321\cdots$</div>
<div>⑤ $x = 0.0\ \dot{5}$</div> <div>$= 0.0555\cdots$</div> <div>$10\ x = 0.555\cdots$</div> <div>$10\ x = \frac{5}{9}$</div> <div>$\therefore x = \frac{5}{90} = \frac{1}{18}$</div>	<div>⑤ $x = 0.0\ \dot{4}$</div> <div>$= 0.0444\cdots$</div>
<div>⑥ $x = 0.1\ \dot{5}$</div> <div>$= 0.1555\cdots$</div> <div>$x = 0.1 + 0.0555\cdots$</div> <div>$= \frac{1}{10} + \frac{1}{18}$</div> <div>$= \frac{14}{90} = \frac{7}{45}$</div>	<div>⑥ $x = 0.2\ \dot{4}$</div> <div>$= 0.2444\cdots$</div>

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<div>① $\frac{7}{8} = \underline{0.875}$</div> <div><table><tr><td></td><td>0</td><td>.</td><td>8</td><td>7</td><td>5</td></tr><tr><td>8</td><td>)</td><td>7</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>6</td><td>4</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>6</td><td>0</td><td></td></tr><tr><td></td><td></td><td></td><td>5</td><td>6</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>4</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td><td>4</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>0</td></tr></table></div>		0	.	8	7	5	8)	7						6	4						6	0					5	6						4	0					4	0						0	<div>① $\frac{1}{8} =$</div> <div><table><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>)</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table></div>)																																																							
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① $\frac{7}{8}$ ○	① $\frac{1}{8}$
② $\frac{13}{5}$ ○	② $\frac{12}{5}$
③ $\frac{5}{6}$ ×	③ $\frac{7}{6}$
④ $\frac{9}{20}$ ○	④ $\frac{3}{20}$
⑤ $\frac{3}{6} = \frac{1}{2}$ ○	⑤ $\frac{4}{6}$

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
<div>① $x = 0.45$</div> <div>$= \frac{45}{100} = \frac{9}{20}$</div>	<div>① $x = 0.15$</div>
<div>② $x = 0.375$</div> <div>$= \frac{375}{1000} = \frac{3}{8}$</div>	<div>② $x = 0.625$</div>
<div>③ $x = 0.\dot{7}$</div> <div>$= 0.777\cdots$</div> <div>$\left(\begin{array}{r} 10x = 7.777\cdots \\ - \quad x = 0.777\cdots \\ \hline 9x = 7 \end{array} \right)$</div> <div>$x = \frac{7}{9}$</div>	<div>③ $x = 0.\dot{5}$</div> <div>$= 0.555\cdots$</div>
<div>④ $x = 0.\dot{1}\dot{4}$</div> <div>$= 0.141414\cdots$</div> <div>$\left(\begin{array}{r} 100x = 14.14\cdots \\ - \quad x = 0.14\cdots \\ \hline 99x = 14 \end{array} \right)$</div> <div>$x = \frac{14}{99} = \frac{2}{11}$</div>	<div>④ $x = 0.\dot{7}\dot{8}$</div> <div>$= 0.7878\cdots$</div>
<div>⑤ $x = 0.0\dot{3}$</div> <div>$= 0.0333\cdots$</div> <div>$10x = 0.333\cdots$</div> <div>$10x = \frac{3}{9} = \frac{1}{3}$</div> <div>$\therefore x = \frac{1}{30}$</div>	<div>⑤ $x = 0.0\dot{2}$</div> <div>$= 0.0222\cdots$</div>
<div>⑥ $x = 0.8\dot{3} = 0.833\cdots$</div> <div>$\left(\begin{array}{r} 10x = 8.333\cdots \\ - \quad x = 0.833\cdots \\ \hline 9x = 7.5 \end{array} \right)$</div> <div>$x = \frac{7.5}{9} = \frac{75}{90}$</div> <div>$= \frac{5}{6}$</div>	<div>⑥ $x = 0.7\dot{2}$</div>

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<div>① $\frac{5}{8} = \underline{0.625}$</div> <div><table><tr><td></td><td>0</td><td>.</td><td>6</td><td>2</td><td>5</td></tr><tr><td>8</td><td>)</td><td>5</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>4</td><td>8</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>2</td><td>0</td><td></td></tr><tr><td></td><td></td><td></td><td>1</td><td>6</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>4</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td><td>4</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>0</td></tr></table></div>		0	.	6	2	5	8)	5						4	8						2	0					1	6						4	0					4	0						0	<div>① $\frac{3}{8} =$</div> <div><table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>)</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div>)																																																																
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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
① $\frac{5}{8}$ ○	① $\frac{3}{8}$
② $\frac{3}{25}$ ○	② $\frac{9}{25}$
③ $\frac{11}{6}$ ×	③ $\frac{7}{6}$
④ $\frac{9}{20}$ ○	④ $\frac{3}{20}$
⑤ $\frac{2}{6} = \frac{1}{3}$ ×	⑤ $\frac{3}{6}$

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
<div>① $x = 0.28$</div> <div>$= \frac{28}{100} = \frac{7}{25}$</div>	<div>① $x = 0.52$</div>
<div>② $x = 0.625$</div> <div>$= \frac{625}{1000} = \frac{5}{8}$</div>	<div>② $x = 0.125$</div>
<div>③ $x = 0.\dot{8}$</div> <div>$= 0.888\cdots$</div> <div>$\left(\begin{array}{r} 10x = 8.888\cdots \\ - \quad x = 0.888\cdots \\ \hline 9x = 8 \end{array} \right)$</div> <div>$x = \frac{8}{9}$</div>	<div>③ $x = 0.\dot{2}$</div> <div>$= 0.222\cdots$</div>
<div>④ $x = 0.\dot{1}\dot{5}$</div> <div>$= 0.151515\cdots$</div> <div>$\left(\begin{array}{r} 100x = 15.15\cdots \\ - \quad x = 0.15\cdots \\ \hline 99x = 15 \end{array} \right)$</div> <div>$x = \frac{15}{99} = \frac{5}{33}$</div>	<div>④ $x = 0.\dot{1}\dot{2}$</div> <div>$= 0.1212\cdots$</div>
<div>⑤ $x = 0.0\dot{5}$</div> <div>$= 0.0555\cdots$</div> <div>$10x = 0.555\cdots$</div> <div>$10x = \frac{5}{9}$</div> <div>$\therefore x = \frac{5}{90}$</div>	<div>⑤ $x = 0.0\dot{7}$</div> <div>$= 0.0777\cdots$</div>
<div>⑥ $x = 0.2\dot{3} = 0.233\cdots$</div> <div>$\left(\begin{array}{r} 10x = 2.333\cdots \\ - \quad x = 0.233\cdots \\ \hline 9x = 2.1 \end{array} \right)$</div> <div>$x = \frac{2.1}{9} = \frac{21}{90}$</div> <div>$= \frac{7}{30}$</div>	<div>⑥ $x = 0.2\dot{6}$</div>