To work out a decimal (a number with a decimal point) $\div 10$ or $\div 100$ or $\div 1000$ you can
(a) use the place value grid

$$
\begin{aligned}
& 1234.5 \div 10 \\
& 1234.5 \div 100 \\
& 1234.5 \div 1000
\end{aligned}
$$

$\left.\begin{array}{|c|c|c|c|c|c|c|c|}\hline \mathrm{Th} & \mathrm{H} & \mathrm{T} & \mathrm{U} \bullet \mathrm{t} & \mathrm{h} & \mathrm{th} & \mathrm{t} \text { th } \\ \hline 1 & 2 & 3 & 4 & \bullet & 5 & & \\ \hline & 1 & 2 & 3 & \bullet 4 & 5 & & \\ \hline & & 1 & 2 & \bullet 3 & 4 & 5 & \\ \hline & & 1 & \bullet 2 & 3 & 4 & 5\end{array}\right\} \div 10$
or (b) move the decimal point ... spaces to the left

$$
\begin{array}{ll}
1234.5 \div 10 & 123 \curvearrowleft 4 \cdot 5=123.45 \\
1234.5 \div 100 & 12.34 \cdot 5=12.345 \\
1234.5 \div 1000 & 1.234 \cdot 5=1.2345
\end{array}
$$

How many spaces?
(i) 10 has one 0 at the end, so move the decimal place one place to the left.
(ii) 100 has two 0's at the end, so move the decimal place $\qquad$ places to the left.
(iii) 1000 has $\qquad$ 0's at the end, so move the decimal place $\qquad$ places to the left.

To work out a decimal (a number with a decimal point) $\div 10$ or $\div 100$ or $\div 1000$ you can
(a) use the place value grid

$$
\begin{aligned}
& 1234.5 \div 10 \\
& 1234.5 \div 100 \\
& 1234.5 \div 1000
\end{aligned}
$$

| Th | H | T | $\mathrm{U} \bullet \mathrm{t}$ | h | th | t th |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | $4 \bullet 5$ |  |  |  |  |
|  | 1 | 2 | 3 | $\bullet 4$ | 5 |  |  |
|  |  | 1 | $2 \bullet 3$ | 4 | 5 |  |  |
|  |  |  | $1 \bullet 2$ | 3 | 4 | 5 |  |$\quad$|  |
| :---: |
| 10 |
| $\div 10$ |
| $\div 10$ |

or (b) move the decimal point ... spaces to the left

$$
\begin{array}{ll}
1234.5 \div 10 & 123 \curvearrowleft 4 \cdot 5=123.45 \\
1234.5 \div 100 & 12 \curvearrowleft 34 \cdot 5=12.345 \\
1234.5 \div 1000 & 1.234 \cdot 5=1.2345
\end{array}
$$

How many spaces?
(i) 10 has one 0 at the end, so move the decimal place one place to the left.
(ii) 100 has two 0's at the end, so move the decimal place $\qquad$ places to the left.
(iii) 1000 has $\qquad$ 0's at the end, so move the decimal place $\qquad$ places to the left.

