

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

	Th	H	T	U	t	h	th	t th
$1234.5 \div 10$	1	2	3	4	5			
$1234.5 \div 100$		1	2	3	4	5		
$1234.5 \div 1000$			1	2	3	4	5	

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

$$1234.5 \div 10 = 123.45$$

$$1234.5 \div 100 = 12.345$$

$$1234.5 \div 1000 = 1.2345$$

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 places to the left.
- (iii) 1000 has 0's at the end, so move the decimal place places to the left.

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