To work out an integer (a number with **no** decimal point) ÷10 or ÷100 or ÷1000 you can

(a) use the place value grid

	Th	H	T	U • t	h	th	t th
	1	2	3	4 •			
1234 ÷ 10		1	2	3 • 4			
1234 ÷ 100			1	2 • 3	4		
1234 ÷ 1000				1 • 2	3	4	

÷10 ÷10 ÷10

or (b) (i) **add** a decimal point and move the decimal point ... spaces to the left

1234 ÷ 10 1 2 3 4• = 123.4

1234 ÷ 100 1 2 3 4• = 12.34

1234 ÷ 1000 1 2 3 4• = 1.234

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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