To work out 12.3×10, 12.3×100 and 12.3×1000 you can

(a) use the place value grid or (b) move the decimal point to the right

	T Th	Th	H	T	U • t
				1	2 • 3
12.3×10			1	2	3 •
12.3×100		1	2	3	0 •
12.3×1000	1	2	3	0	0 •

$\times 10$

$\times 10$

$\times 10$

$1\ 2 \cdot 3 = 123$

$1\ 2 \cdot 3\ 0 = 1230$

$1\ 2 \cdot 3\ 0\ 0 = 12300$

Complete this reminder

(i) 10 has **one** 0 at the end, so move the decimal place **one** place to the right.

(ii) 100 has **two** 0 at the end, so move the decimal place .... places to the right.

(iii) 1000 has .... 0 at the end, so move the decimal place .... places to the right.

Remember to add a 0 below any $\frown$ which doesn't have a digit below it.

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