Multiplying by 10, 100 or 1000

STAGE 5

Note:

- **When we multiply by 10, the number gets 10 times bigger. Therefore, the number moves one place to the left on our place value grid.**
- **When we multiply by 100, the number gets 100 times bigger. Therefore, the number moves two places to the left on our place value grid**
- **When we multiply by 1000, the number gets 1000 times bigger. Therefore, the number moves three places to the left on our place value grid.**

Each digit moves the necessary number of places to the left because multiplying by 10, 100 or 1000 increases the number.

			3	.	0	2
		3	0	.	2	← x 10

			3	.	0	2
	3	0	2	.	←	x 100

			3	.	0	2
3	0	2	0	. ←		x 1000

Write the product for each multiplication problem.

- **353.0 ✖ 10 = _____**
- **4.37 ✖ 100 = _____**
- **7333 ✖ 1000 = _____**
- **56.8 ✖ 10 = _____**
- **1.3 ✖ 10 =_____**
- **93.6 x 100 = _____**
- **4.57 x 10 = _____**

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- **2323 x 100= _____**
- **1000 x 10 = _____**
- **5.537 x 100 = _____**
- **83.45 x 100 = _____**
- **76.9 x 10 = _____**
- **45.7 x 100 =_____**

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