## Multiplying decimals by 10, 100 and 1,000



Complete the multiplications.

a)	Н	Т	0	Tths	Hths
			3 (	7	

What do you notice when you multiply a number by 10?

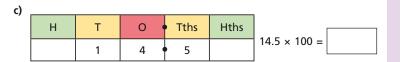


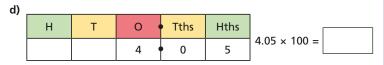
Complete the multiplications.

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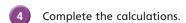
a)					
u)	Н	Т	0 (	Tths	Hths
			4	1	

)						
	Н	Т	0	Tths	Hths	
			4	1	5	4.15 × 100

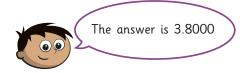




What do you notice when you multiply a number by 100?



Amir has multiplied 3.8 by 1,000



a) What mistake has Amir made?

**b)** Work out the correct answer.

6 Complete the multiplications.

How did you work out the answers? Talk to a partner.

7 Complete the calculations.

8 Tommy is 1.4 m tall.

A tree is 10 times as tall as Tommy.

A building is 100 times as tall as Tommy.



**b)** How much taller is the building than the tree?

	m

Match the multiplications to the descriptions.



multiply by 10

multiply by 100

multiply by 1,000

