Multiply by 10, 100 and 1,000

1. Multiply the number represented in the place value chart by 100. Write your answer in digits in the second place value chart.

Th	H	T	O	t	h	th
			●●		●●●	●●●

Th	H	T	O	t	h	th

VF

2. Tick the correct calculations.

A. 98.2 x 10 = 9,820 ☐

B. 5.106 x 1,000 = 5,106 ☐

C. 310.79 x 100 = 3,107.9 ☐

D. 7.64 x 100 = 764 ☐

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3. Fill in the missing numbers.

A. ☐ x 100 = 823

B. 6.11 x ☐ = 6,110

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4. I am thinking of a number.

- It has 4 digits.
- Each digit doubles in size as the value of each column increases.
- When multiplied by 100, my number is left with 1 decimal place.

What number did I start with?

PS

5. Hammad multiplies 2.038 by 100.

He says,

The 8 will move from the thousandths column to the ones column.

Is he correct?

Explain why.

R

6. Complete the statement below. You are only able to multiply by 10, 100 or 1,000.

3.025 x ☐ = ☐ x ☐

Find two possibilities.

PS

Multiply by 10, 100 and 1,000

1.

Th	H	T	O	t	h	th
	2	0	3	6		

2. B and D are correct.

3. A. 8.23; B. 1,000

4. 8.421

5. Hammad is incorrect. If the 8 digit moves from the thousandths column to the ones column, it will have moved 4 columns to the left. He is multiplying by 100, so the digits should only move 3 columns to the left. His final number should be 203.8, with the 8 digit in the tenths column.

6. Various answers, for example: 3.025 x 1,000 = 30.25 x 100; 3.025 x 100 = 30.25 x 10