1)	What number is sh	own	HTh	TTh	Th	Н	Т	0		
	on the place value	chart?								
	Complete the sentences: If I multiply this number by 10, it becomes The digits move place to the									
2)	If I multiply this number by 100, it becomes The digits move places to the If I multiply this number by 1000, it becomes The digits move places to the 2) Match each planet to its moon to complete the calculation. Make sure that you fill in the mis								ių.	
	Planets 83	× 100	×	10 612 ×	5	604 × 10	87 ×	902 × 1000		
	Moons 4	030	56 040	830	00	87 000	902 000	61 200	]	
1)	Javine says, "To multiply by 1000, I just add three zeros." Kian says, "I times by 10, then times by 10 and times by 10 again." Do you agree with Javine and Kian's methods for multiplying by 1000? Explain your thinking.									
2)	Can you work out the diameter of these new planets using the clues below? Vesta is 10 times bigger than Athena. Athena has half the diameter of Vulcan. Juno is 10 times bigger than Athena. Ceres is 100 times bigger than Vulcan. Vulcan is 20 530km in diameter. Apollo is 100 times bigger than Athena.									
3)	Alan and Astrid, th travelled 10 times	ie astrona more step	uts, are expl s than Alan	loring the ne and then wo	w planet, \ alked anoth	/ulcan. Ala ler 250 step	n has travelled s. How many si	763 steps. Astr teps has she trav	id has /elled? 	



1)	Astrid has discovered a crater a certain number of steps away from the shuttle. The number has 3 digits. She says that, when this number is multiplied by 1000, the hundred thousands and the thousands digits are the same. Also, the product of the number's digits is 16. How many steps from the shuttle is the crater? Find both possibilities.	_
2)	What could the values of A and B be? Find 3 possible solutions. A × 100 = B × 1000	_
3)	What could the values of A and B be? Find 3 possible solutions. <b>A × 1000 = B + 300</b>	_
	and here a set a set and a set	



