



Problem of the Week

Problem B

‘Place’ Value

Complete the puzzles below by entering the digits from 1 through 9 in the blank boxes to make all the horizontal and vertical statements true. In each puzzle, use each digit just once and do the operations in the order that they appear, from left to right and from top to bottom.

a)

		+	6	x		=	56
	+		+		-		
		-		+		=	12
	÷		x		x		
		+		-		=	4
	=		=		=		
	5		50		3		

b)

		+		x		=	52
	+		-		+		
		-		+		=	14
	÷		x		÷		
	7	+		÷		=	5
	=		=		=		
	2		21		5		

In puzzle a), the location of the digit 6 has been given, so the eight empty boxes each contain a different digit from 1 through 9, other than 6. In puzzle b), the location of the digit 7 has been given, so the eight empty boxes each contain a different digit from 1 through 9, other than 7.