



Problem of the Week

Problem B

What Goes Where?

Mayala has ten number tiles, each with a different digit from 0 to 9. Help Mayala use all ten tiles, once each, to fill in the blanks in each problem.

- (a) The following decimal numbers are written in order from least to greatest. Use the ten tiles to fill in the empty boxes. Can you find more than one solution?

$0.8, 1.\square, 2.\square, 3.\square\square, \square.\square, 3.\square, 4.\square, \square.5, 5.\square$

- (b) Place the ten tiles so that each of the following equations is correct.

(i) $2.\square + \square.5 = 6.3$

(ii) $3.\square + \square.4 = 8.1$

(iii) $6.\square - \square.2 = 1.\square$

(iv) $7.\square - \square.3 = \square.6$



You may find it useful to create your own number tiles or cut out the number tiles below and use them to try possible solutions.

0	1	2	3	4	5	6	7	8	9
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