

PROBLEM WORKSHEET

THE SOLUTION:

To help illustrate the problem, we will label a few boxes as shown below.

	607	A	B	C	724	?		
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Since the sum of the numbers in any 3 consecutive boxes is the same,

$$607 + A + B = A + B + C.$$

After taking away both A and B from the above equation we get $607 = C$

Therefore, the number in box C should be 607.

Since the sum of the numbers in any 3 consecutive boxes is 2015,

$$C + 724 + ? = 607 + 724 + ? = 2015$$