THE MUSHROOM HUNT

You Need

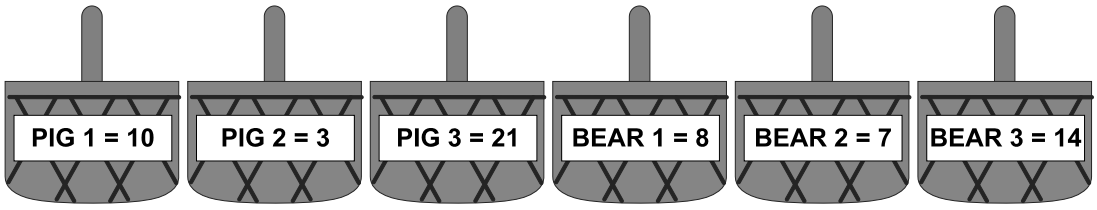
- Sixty-three [63] 'mushrooms' and six [6] 'baskets'

The Story

The three [3] pigs and the three [3] bears went mushroom hunting. At the end of their hunt they discovered:

- the total number of mushrooms they collected was 63.
- by choosing different combinations of baskets they could make every number of mushrooms from one up to sixty-three.

For example, *pretend* this is what each animal collected:



The total of these baskets is 63 AND they can combine baskets to make *some* of the numbers from 1 to 63, for example:

- PIG 1 + PIG 2 = 13
- PIG 1 + PIG 2 + PIG 3 = 34
- PIG 2 + BEAR 1 + BEAR 3 = 25

BUT can these baskets be used to make *every* number from 1 to 63?

If they can't, then the example is *not* what was in each basket.

Challenge

What number of mushrooms must have been in each of the six baskets?

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