

2 = 1 + 1 and other Compositions

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- Organize our compositions by the size of the first part. For 3, we see that two of the compositions begin with 1, one composition begins with 2, and one with 3. Can you finish filling in the chart below? What patterns do you notice? Why do they occur?

First part of composition

	1	2	3	4	5	6	7	8
1								
2								
3	2	1	1					
4								
5								
6								
7								
8								

Extra Questions

- What if we only allow 1s and 2s in our compositions?
- What if we only allow odd numbers as our parts?
- What if we don't allow 1s as our parts?
- What if we allow ones and also unos ... that is, two different kinds of 1s?
- What other rules can you come up with to create different problems?
- What other ways of organizing can you find other than the three on the front and back of this page?

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