

Dice totals

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The Busy Lizzie Maths Library

Dice totals

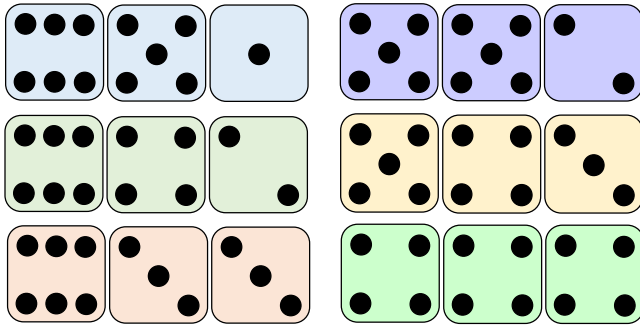
Using only three 1 → 6 spot dice how many different ways can you find to make a total of 12 spots?

How are you going to record your results?



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Dice totals



You can't have $6 + 6 + 0$

Order the dice (systematic)

Check for repeats. Repeats appear quite a lot in this activity

Variation

- Change the total
- Change the number of dice
- Change the six spot dice for dice with fewer or more faces.

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Extend this activity

Use more dice, for example:

4 dice and a different target number such as 15 or 18