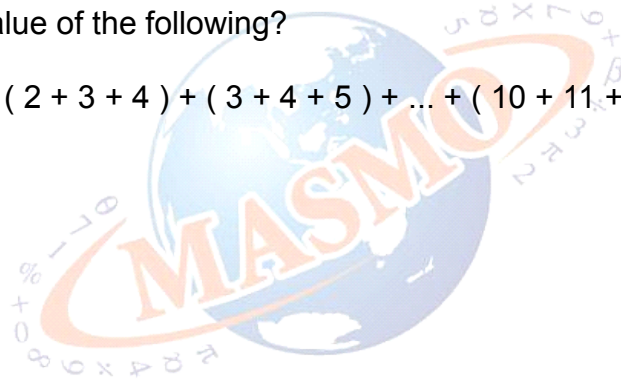




1 What is the value of the following?

$$(1 + 2 + 3) + (2 + 3 + 4) + (3 + 4 + 5) + \dots + (10 + 11 + 12)$$





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- 2** There is one entrance at the bottom of a mountain. From the entrance, there are 3 different routes leading to 3 different rest stops. All of the stops lead to the same top of the mountain. How many different ways are there to climb up the top of the mountain and come back to the entrance?





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- 3** 110 pieces of clothes are cut to make flags. A piece of cloth can be cut into 9 pieces to make small flag, or 4 pieces to make large flag. It is required that for every 3 large flags there must be 7 small flags to match. How many pieces of clothes should be cut to make small flags?

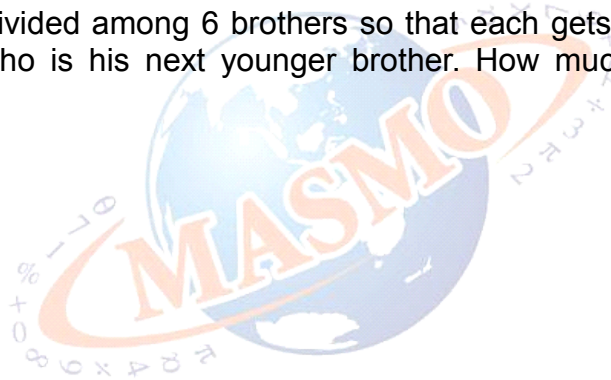




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- 4 RM 1200 is divided among 6 brothers so that each gets RM 50 more than the brother who is his next younger brother. How much does the eldest brother get?





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- 5** There is a garden shaped as a square combined with a semi-circle pool, as shown as the diagram below: (Note: $\pi = 22/7$)
If the gardener wishes to plant trees along the side of the garden in such a way that any two trees are 5m apart from each other. How many trees are needed?

