

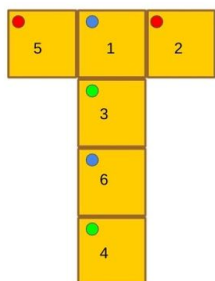
DICE NET CHALLENGE

For each of the solutions below, you might not have the exact layout we give as an example. If you have the same 'pairs' of numbers on opposite faces, don't worry about exactly where they are!

Level 1:

Place the numbers 1-6 on the yellow net so that when it is folded to form a cube, numbers on opposite faces add to 7.

E.g.

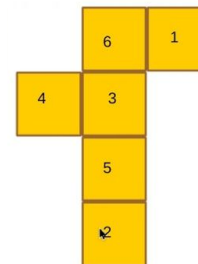


Level 2:

Place the numbers 1-6 on the yellow net so that when it is folded to form a cube, numbers on opposite faces add up to prime numbers (but not 7!).

E.g.

Possible prime numbers - 2, 3, 5, 7, 11. The 6 had to be with the 5 because it said not to add to 7. The 4 can't pair with the 3 because that would make 7. It can't pair with the 2 as 6 is not a prime number, therefore must pair with the 1.

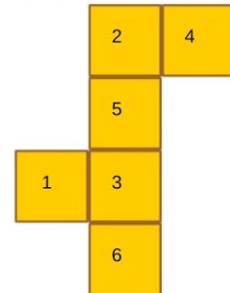


Level 3:

Place the numbers 1-6 on the yellow net so that when it is folded to form a cube, numbers on opposite faces multiply together to give an even number.

E.g.

Here, you could have lots of different layouts. As long as you pair one odd and one even number as opposites, you would be correct!



Level 4:

Place the numbers 1-6 on the yellow net so that when it is folded to form a cube, numbers on opposite faces differ by three.

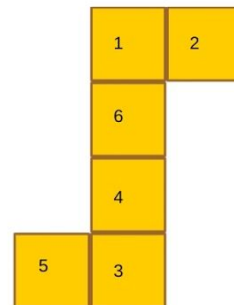
E.g.

Again, the pairs could be in any 'opposite' positions but they have to be:

1 and 4

2 and 5

3 and 6



Level 5:

Place the numbers 1-6 on the yellow net so that when it is folded to form a cube, numbers on opposite faces add together to make odd numbers.

E.g.

The pairs could be any combinations as long as each pair has one odd and one even number.

