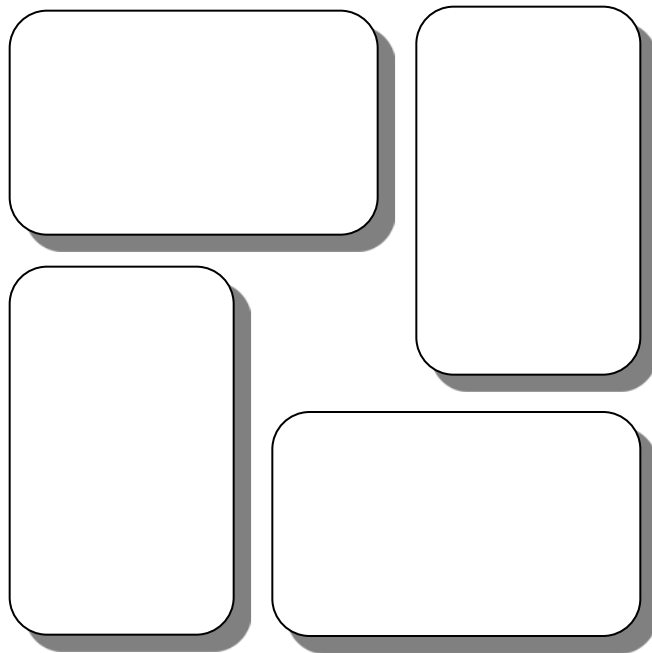


Domino Chain (3)

It is easy to make a 4-chain that follows the rules for dominoes ... try it and you'll see what we mean.



How can you use all the dominoes in a set to make domino 4-chains and have no dominoes left over?

Domino Chain (3)

Observe how your child works on this activity. Some children will:

- get close to a solution but have no fix up strategies or perseverance to keep trying,
- pick out the doubles using one in each chain, as a way of ‘catering for the least flexible first’,
- visualise rotations that might solve their problems,
- persevere with the challenge using a range of fix up strategies as they do so.

Domino Chain (3)

It is easy to make a 4-chain that follows the rules for dominoes ... try it and you'll see what we mean.

How can you use all the dominoes in a set to make domino 4-chains and have no dominoes left over?

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Encourage your child to allow time to investigate, record and check their answers as well as to ask similar questions of their own.

Just in case you need it, one solution to the challenge is:

6 – 6, 6 – 2, 2 – 5 and 5 – 6
5 – 5, 5 – 0, 0 – 4 and 4 – 5
4 – 4, 4, – 6, 6 – 1 and 1 – 4
3 – 3, 3 – 0, 0 – 6 and 6 – 3
2 – 2, 2 – 3, 3 – 4 and 4 – 2
1 – 1, 1 – 3, 3 – 5 and 5 – 1
0 – 0, 0 – 2, 2 – 1 and 1 – 0

Challenge your child to find how many 4-chains with a spot total of 28 can be made using one set of dominoes. We could find 4 ways of doing this, but there may be a fifth!