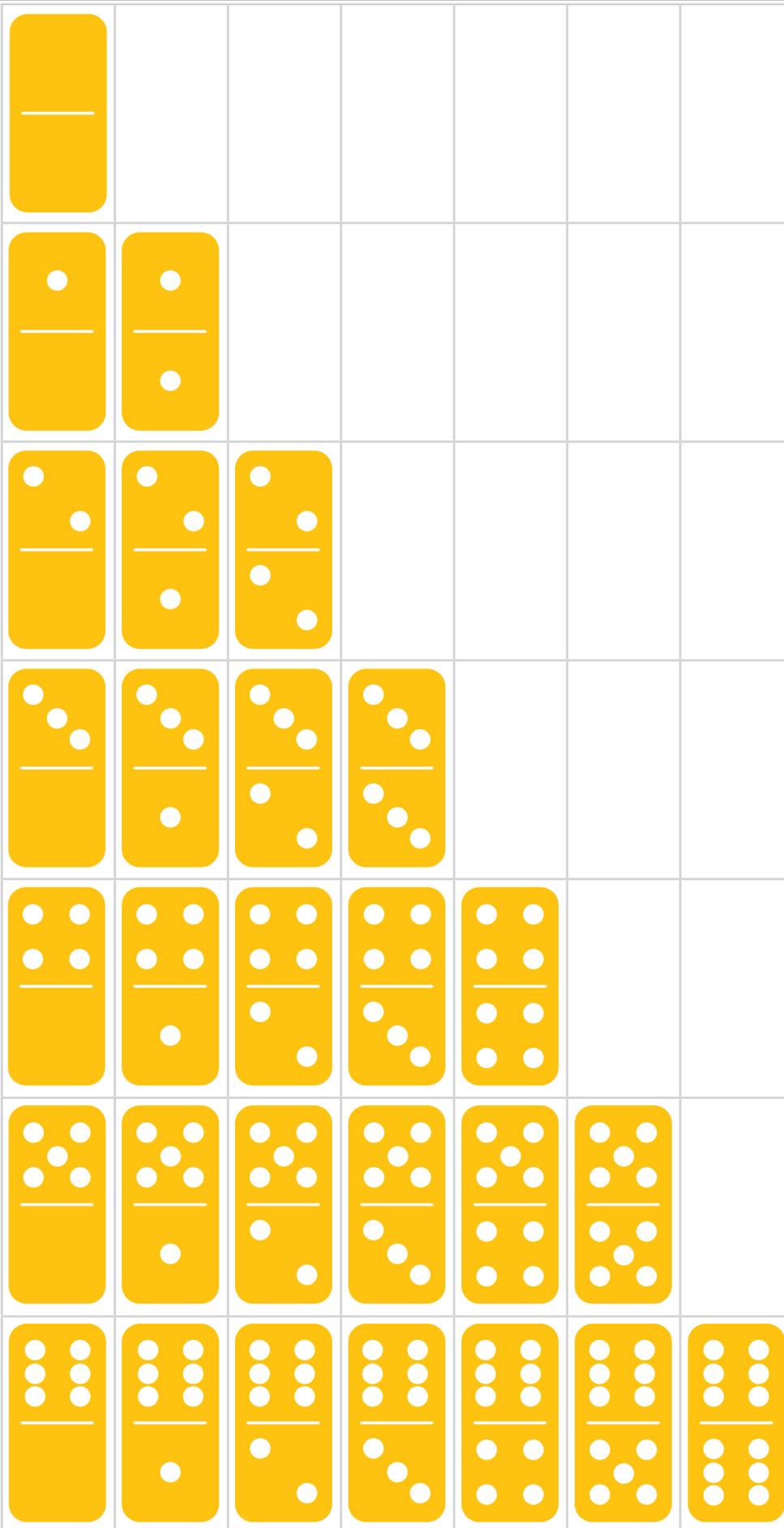


Domino Printable

You can check that you have a full set of dominoes by placing your set on the grid, or cut these out to make a set to use at home.



Dr Paul Swan

More activities with dominoes can be found in the book *Domino Deductions*

ebook & physical:

drpaulswan.com.au/shop



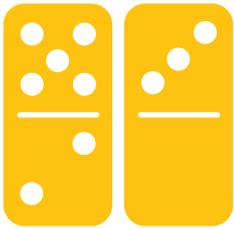
You can buy foam dominoes from the shop on my website

drpaulswan.com.au/shop

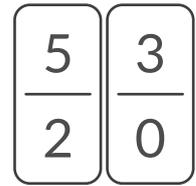


Domino Blanks Template

- You will need a set of dominoes (standard double-6 set) or the domino cut outs.



This could be recorded as: 5 & 2 and 3 & 0



| | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | | |
| Total ___ |
| | | | | | |
| Total ___ |
| | | | | | |
| Total ___ |
| | | | | | |
| Total ___ |
| | | | | | |
| Total ___ |



Domino 21

Make the three dominoes sum to 21.

Rules:

1. Always start with a double.
2. The connections between dominoes need to have the same number

 5 | 5 | 3 | | |

 5 | 5 | 5 | | |

 | | | | |

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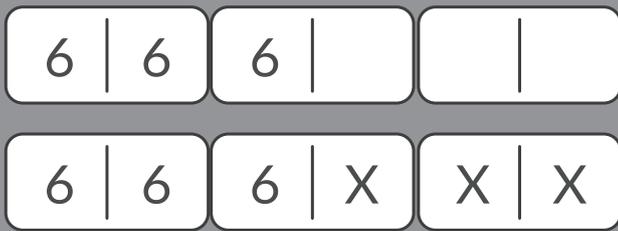
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Domino 21 Answers



Starting with a double 6, we have to join a 6 to connect to the next domino.

That means we have already accounted for 18 of our 21, leaving 3 left for the remaining dominoes.

We can either have 0,0,3 or 1,1,1

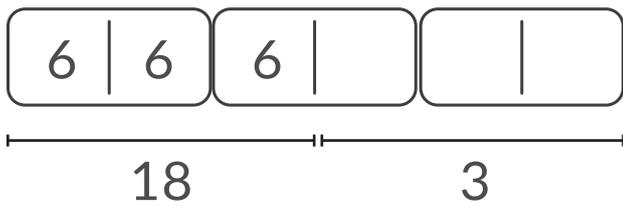
1,2,0 and 2,0,1 fail the joining rule.



Discuss with your students if the turned around dominoes are the same answer or different.

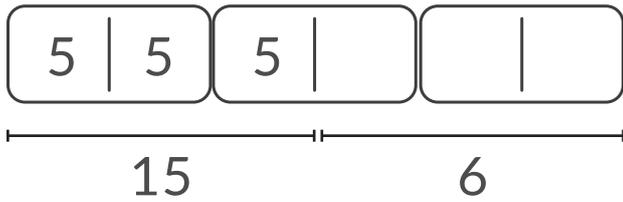


Domino 21 Reasoning:

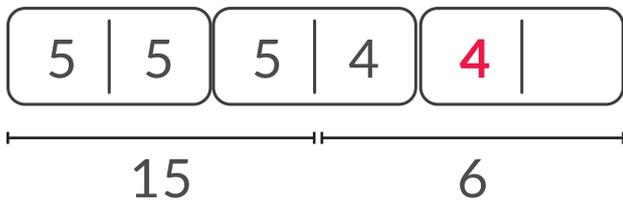


We have already accounted for 18 of our 21, leaving 3 left for the remaining dominoes.

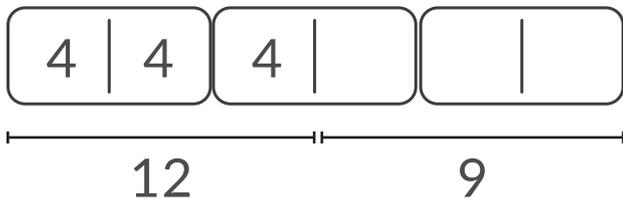
We can either have 0,0,3 or 1,1,1
1,2,0 and 2,0,1 fail the joining rule.



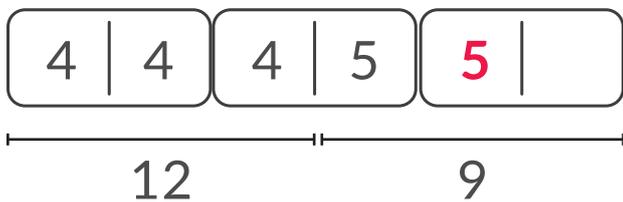
We start the 5's and 15 of our 21 is accounted for.



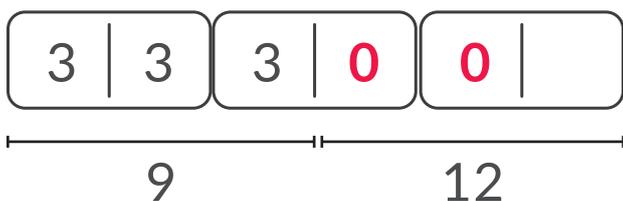
Our 4 would need to match with another 4, exceeding our total.



To start the 4's, we use 12.



This one doesn't work, because the 5 would need to match with another 5 (for a minimum of 10) and this whole section only has 9 to play with.



Being systematic, we try 0, 1, 2, 3... in these spots. 0, 1, 2 can't add up to 21.

3, 3 has already been used so that is not usable either.

