

## 'Weighing the Heart' Investigation Year 4

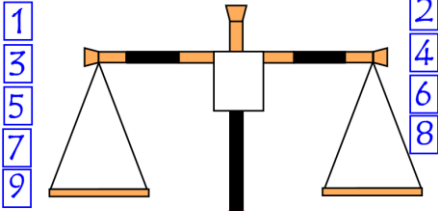


When they died, the Ancient Egyptians believed that their hearts would be weighed against the 'Feather of Maat'. If it balanced, they would be allowed into the underworld.

Using digit cards 1-9, can you balance the scales by placing two cards on each side.

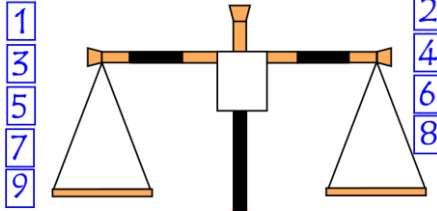
The number on the right is the product of the two numbers on the left. How many different ways can you balance the scales? You can only use digit cards once in each number sentence. Try to be systematic.

The number on the right is the product of the two numbers on the left.



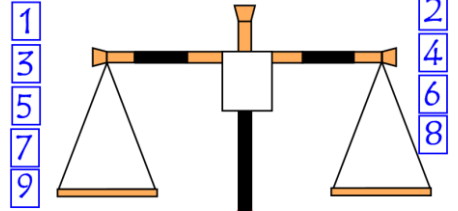
$$\square \times \square = \square \square$$

The number on the right is the product of the two numbers on the left.



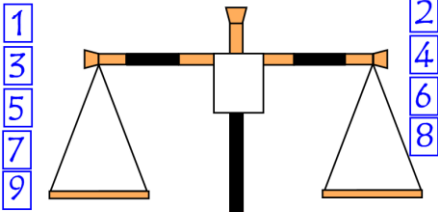
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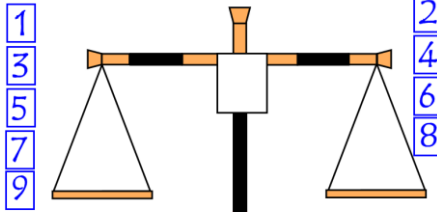
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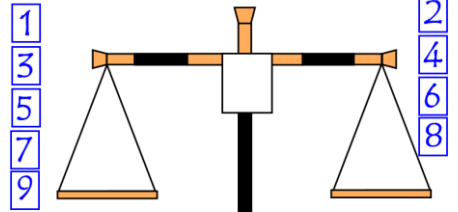
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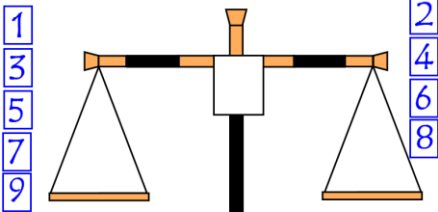
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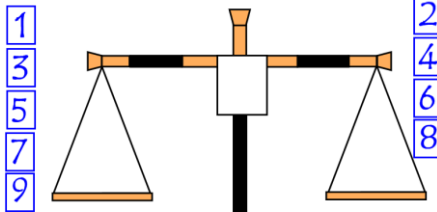
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Did you discover anything interesting? Explain.