

Part 3

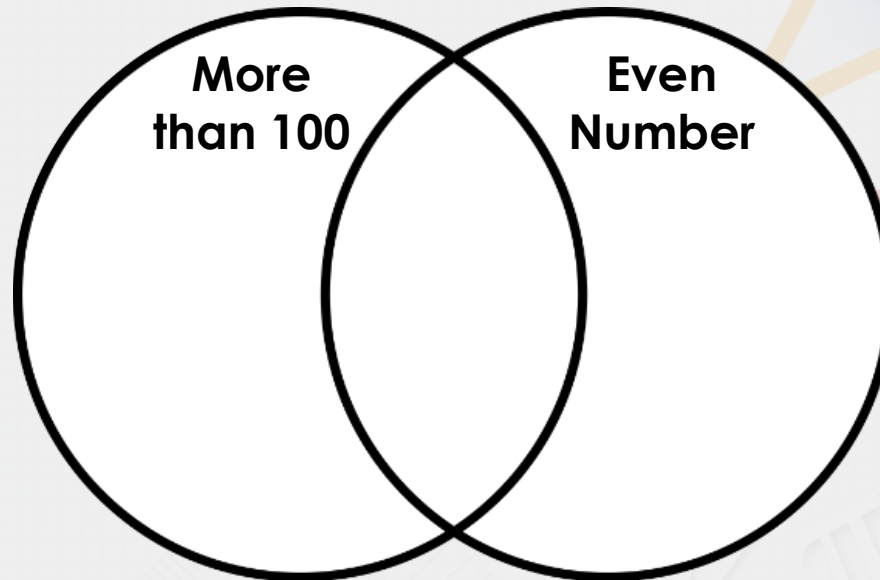
WALT Calculate Square and Cube Numbers

*See my notes in green to
help you.*

Problem Solving 1

Sort the square and cube numbers into the Venn diagram. *Simply work out the answers by squaring or cubing the numbers and then sort them based on your answers.*

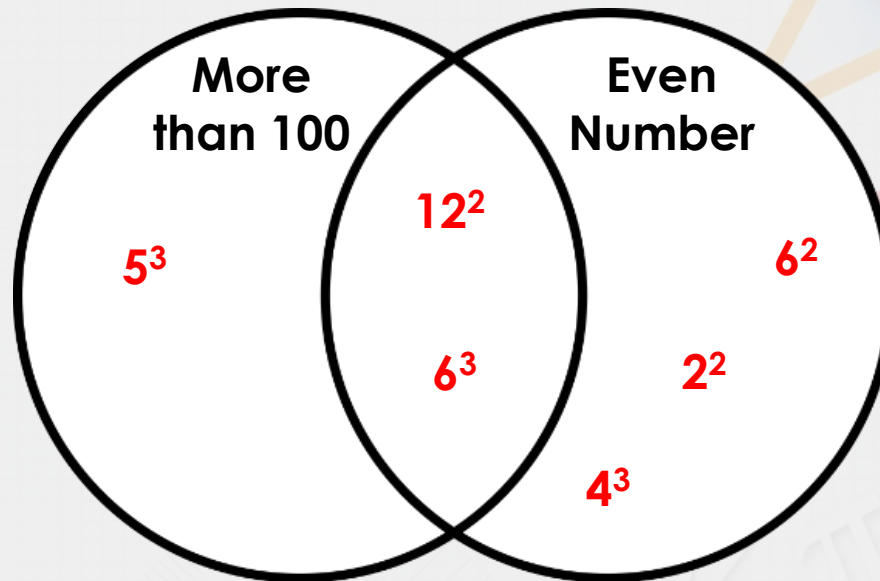
12^2	5^3	6^2
4^3	6^3	2^2



Problem Solving 1

Sort the square and cube numbers into the Venn diagram.

12^2	5^3	6^2
4^3	6^3	2^2



Reasoning 1

Match the square and cube numbers to the correct cards. To solve this, simply calculate the answers for the blue cards and match to the white cards. The number that isn't a match for any answer is your odd one out.

512

7^3

343

216

11^2

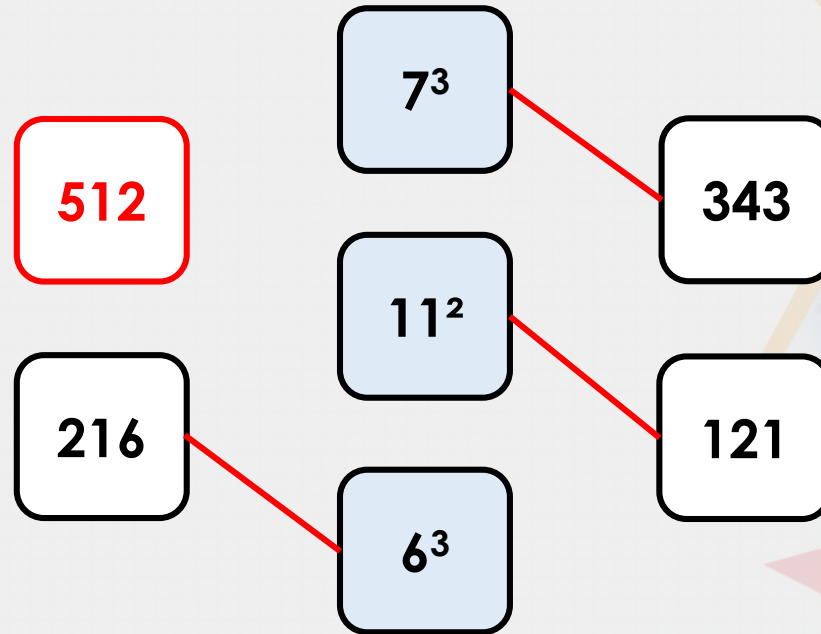
121

6^3

Which is the odd one out? Convince me.

Reasoning 1

Match the square and cube numbers to the correct cards.

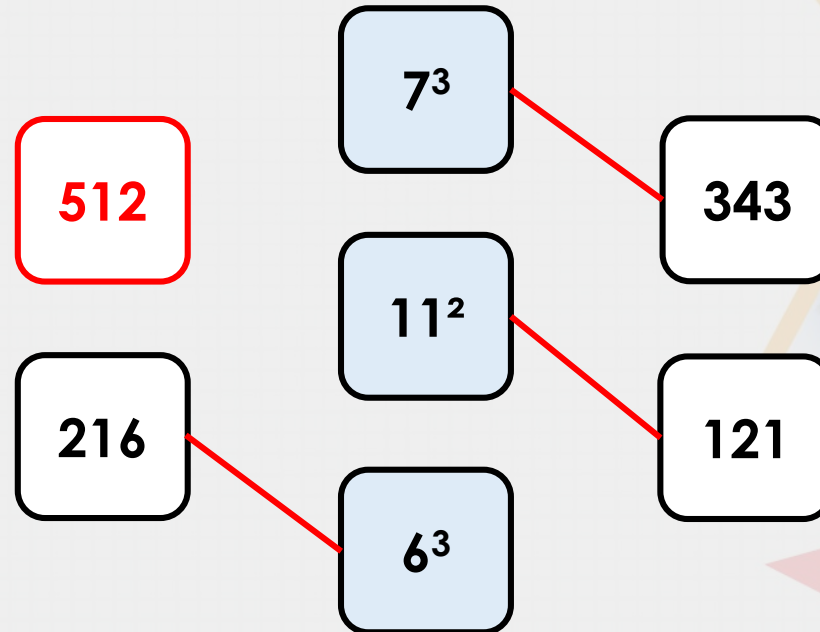


Which is the odd one out? Convince me.

512 is the odd one out because...

Reasoning 1

Match the square and cube numbers to the correct cards.



Which is the odd one out? Convince me.

512 is the odd one out because it does not have a matching square or cube card.

Problem Solving 2

Use the cards to complete the statements below.

Find 3 possibilities.

8^3 300 10^3 9^2 100

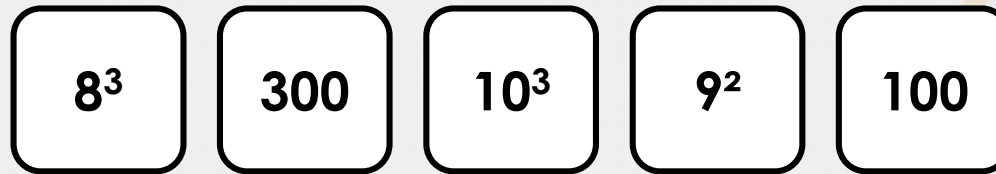
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Problem Solving 2

Use the cards to complete the statements below.

Find 3 possibilities.



Various answers, for example:

$$10^3 > 300$$

$$9^2 < 100$$

Well done! It's over to you now.

Go to Part 4 and choose your Star Challenge! Normal rules apply: page 1 will give you an easier challenge, page 2 will be about the same as what we've just practised and page 3 will be more of a stretch.

You only need to do the first set of questions on your chosen Star Challenge – the 'A' questions. If you want extra practice, you can then do the next set of questions – the 'B' questions. When you finish, don't forget to mark your answers before sharing, so I can see where you need help.