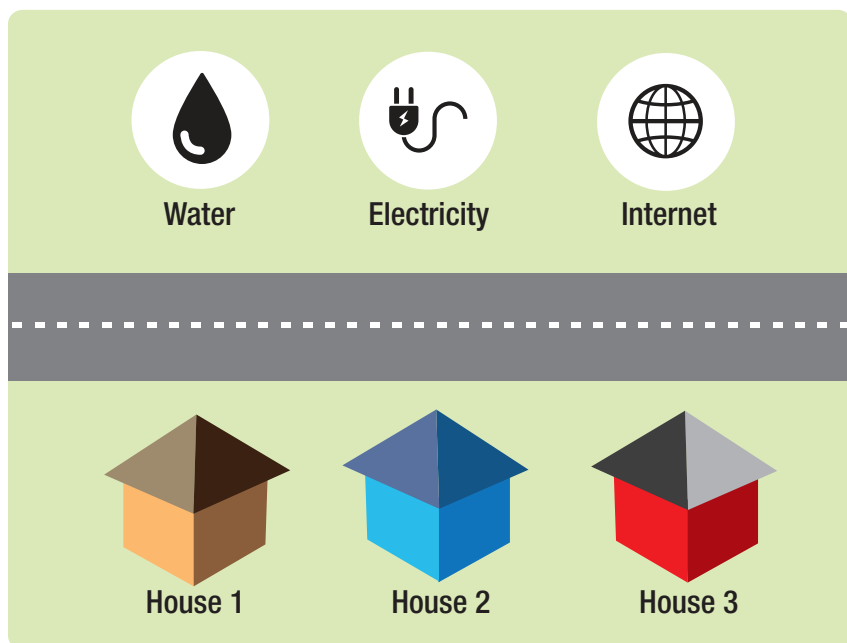


8 THREE HOUSES

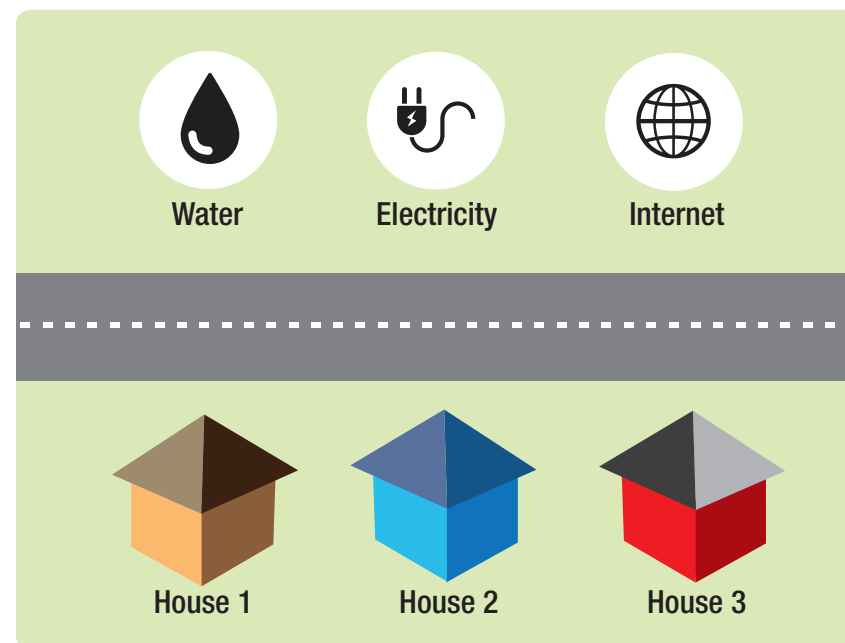


Three houses, **House 1**, **House 2** and **House 3**, are all to be connected to water, electricity and internet by underground trenches from the other side of the street.

Each connection must be in a separate trench.
The trenches are all the same depth under the ground.

- Is it possible for each of the three houses to be connected to electricity, internet and water without any of the trenches crossing? Explain.
- If just one service is allowed to go under one house to get to another house, draw the best way to connect the three houses to the services.

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