

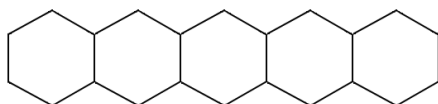
# Beehive patterns

**This task is about continuing a spatial pattern and describing its rule.**

Jade was looking at beehives and noticed each hive was made up of regular hexagons.

They used some sticks to make a pattern of a long strip of hexagons.

Here is how the hexagons looked.



Jade needed 6 sticks to make 1 hexagon. How many sticks do they need to make

2 hexagons?

3 hexagons?

10 hexagons?

100 hexagons?

b) Complete the rule below which relates the number of matches ( $m$ ) and the number of hexagons ( $n$ ) Jade made.

$m =$

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