

Making triangle patterns

In this task you use straws to build a pattern, make a prediction about how many straws you need for more patterns and write an explanation.

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N

a) Your teacher will give you 3 straws. Use these straws to make a triangle.

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b) Your teacher will give you 2 more straws. Add these 2 straws onto the triangle you have made so there are 2 triangles touching side by side.

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c) Your teacher will give you 2 more straws. Now add these 2 straws onto what you have already made to make 3 triangles touching side by side.

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d) How many straws did you use altogether to make 3 triangles? _____

e) How many straws would you need altogether to make 4 triangles? _____

f) How many straws would you need altogether to make 5 triangles? _____

g) i) How many straws would you need altogether to make 10 triangles? _____

ii) How did you work this out?
