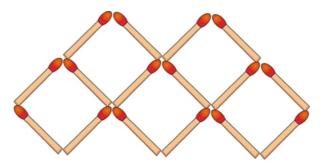
Diamond patterns III

This task is about spatial patterns and rules.

Miriam began making the diamond pattern below with matches.



She noticed a relationship between the number of diamonds and the total number of matches used, which she recorded on a chart.

Number of diamonds	1	2	3	4	5	6	7	8
Number of matches	4	7						

b)How many matches would be needed for 20 diamonds? _	 matches.
You may show your working in the space below.	

c) what rule (ald you use to t	ind the number	of matches ne	eded for 20 dia	monas?

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