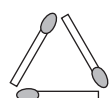
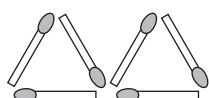


The patterns of shapes below have been made from matchsticks.

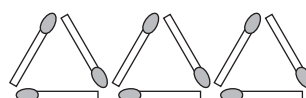
- 1 (a)** Draw the next pattern in the sequence.



shape 1



shape 2



shape 3

shape 4

- (b)** Complete the table for the number of matches.

Shape number	Number of matches
1	
2	
3	
4	

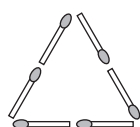
- (c)** The increase in the number of matches each time is _____

- (d)** Complete the formula:

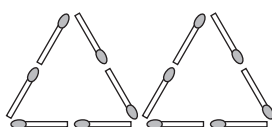
The number of matches is _____ times the shape number.

- (e)** The number of matches in the 7th shape is _____.

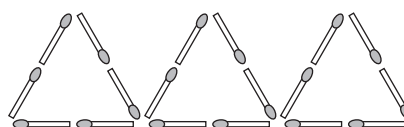
- 2 (a)** Draw the next pattern in the sequence.



shape 1



shape 2



shape 3

shape 4

- (b)** Complete the table for the number of matches.

Shape number	Number of matches
1	
2	
3	
4	

- (c)** The increase in the number of matches each time is _____

- (d)** Complete the formula:

The number of matches is _____ times the shape number.

- (e)** The number of matches in the 5th shape is _____.

Go to worksheet 12.5