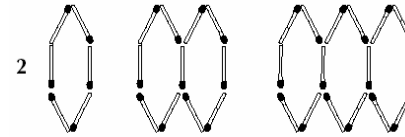
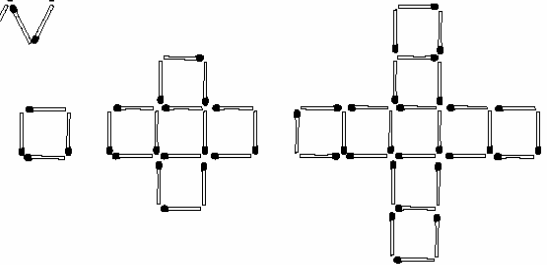


Find the generalisation (n th term) for the number of matchsticks in the following patterns.
Use this generalisation to help find the 50th term in each pattern.



3 a Find the generalisation and the 50th term for the number of matchsticks in this pattern.

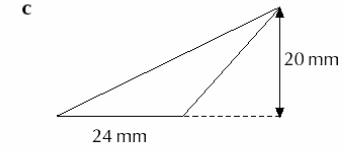
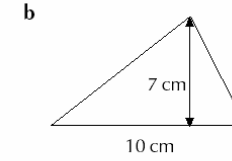
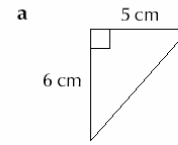


b Find the generalisation and the 50th term for the number of squares in this pattern.

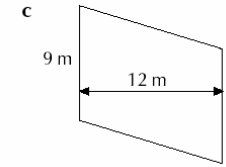
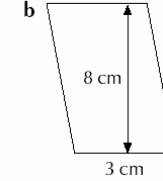
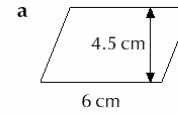
Mark:

Mark:

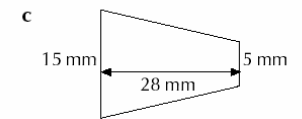
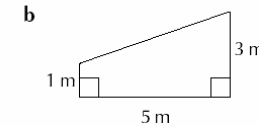
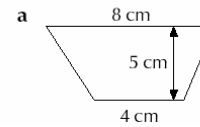
1 Calculate the area of each of the following triangles.



2 Calculate the area of each of the following parallelograms.



3 Calculate the area of each of the following trapezia.



Mark:

