

Mathematics

# **Expressions, equations and inequalities**

## **Perimeter expressions**

### **Independent Task**

Ms Jones



# Try this

How many **different** triangles can you draw by connecting dots on this 3 dot by 3 dot grid?



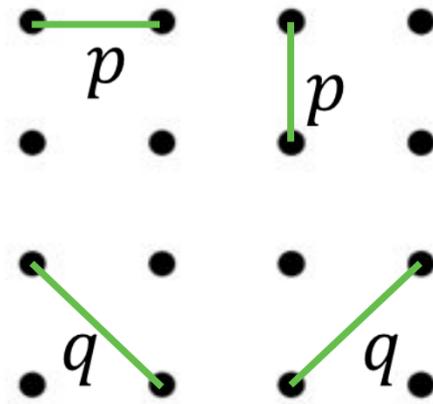
# Independent task

1. Simplify the following expressions:

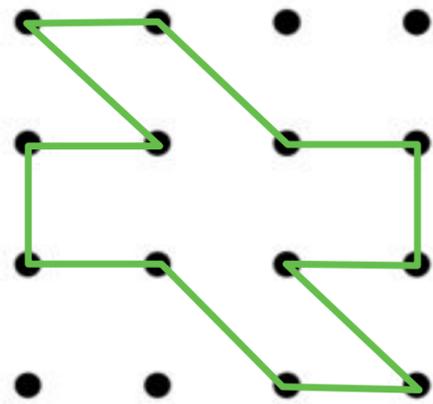
a)  $p + p + p + p$

b)  $n + 3m + 2n + 2m$

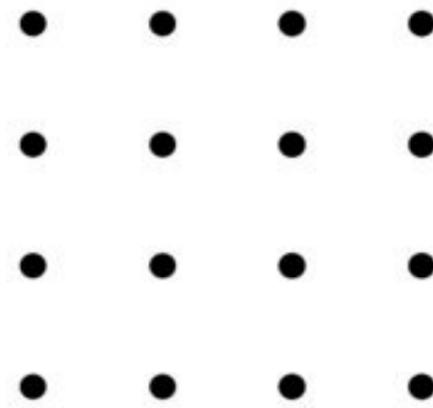
c)  $x + 5y + 2 + 3x + 2y + 4$



2. Complete the missing information:



Perimeter: \_\_\_\_\_ = \_\_\_\_\_

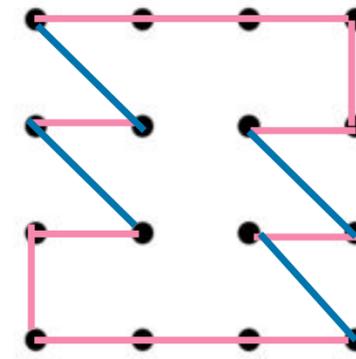
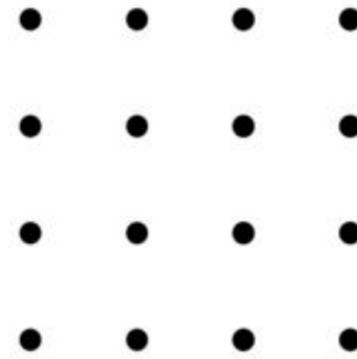
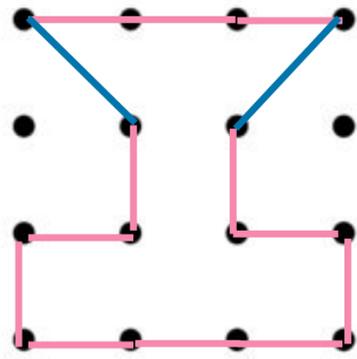
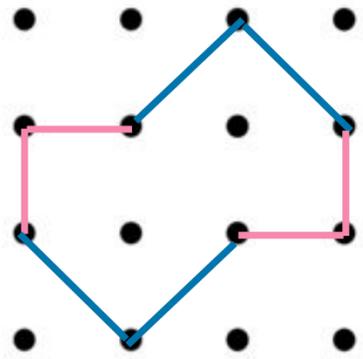


Perimeter:  $6p + 6q = 6(p + q)$



# Explore

Match the expression to the shape with the corresponding perimeter.

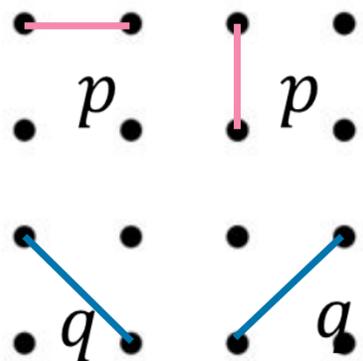


$$12p + q$$

$$\quad$$

$$2q + 12p$$

$$2(2p + 2q)$$



You will need to draw the missing shape, and find the missing expression!

