Mathematics

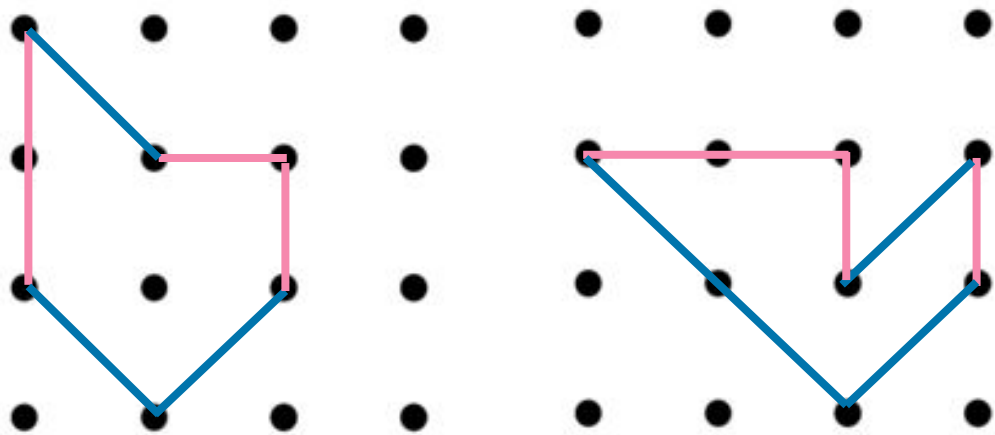# Expressions, equations and inequalities
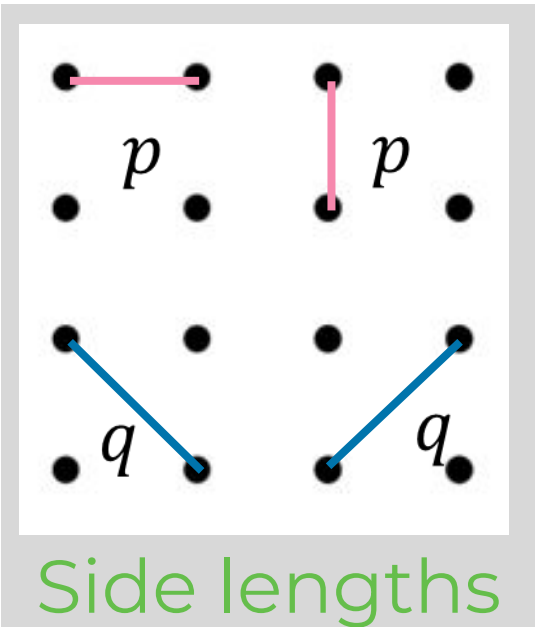# Perimeter inequalities

Independent Task

Ms Jones

Try this

Write an expression for the perimeter of each of these shapes:

Which perimeter is greater? By how much?

Draw two shapes with the following perimeters:

Side lengths

$2q + 2p$
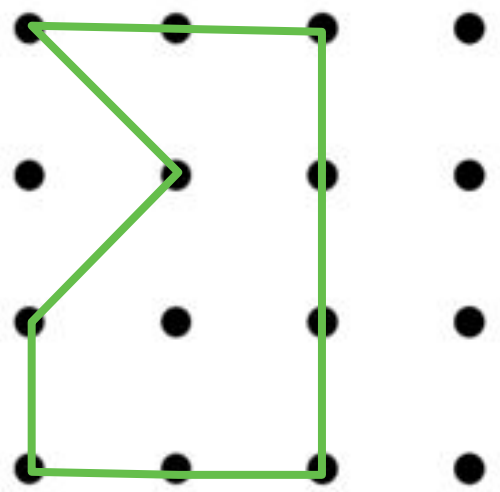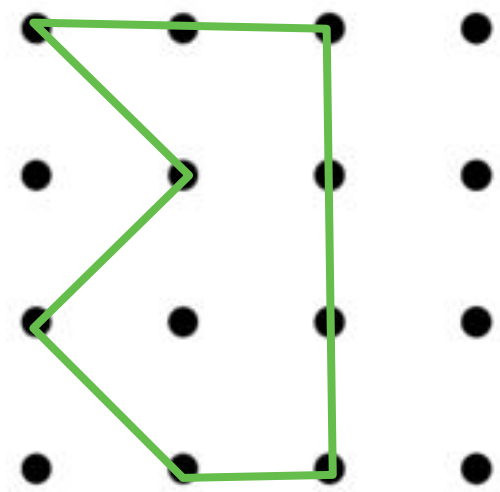
$3q + 2p$

Which perimeter is greater? By how much?

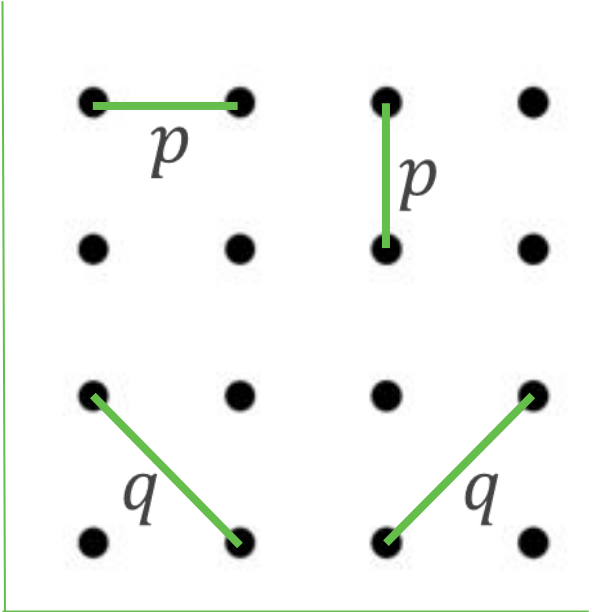# Independent task

1. Add in the correct symbol > or < :

a) 9×5 __ 8×6 b) p __ q c) $a + 3$ __ $a + 2$
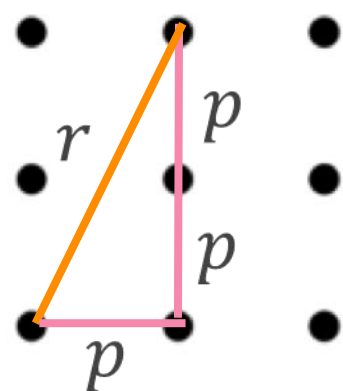

2.

Perimeter:_____   Perimeter: _____

3. Complete the inequality comparing the expressions in Q2:

_____ > _____

Explore

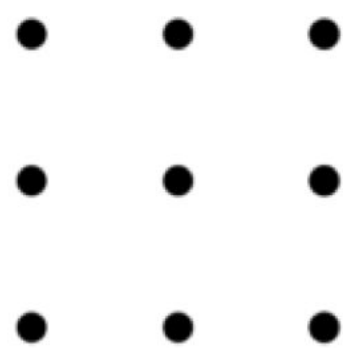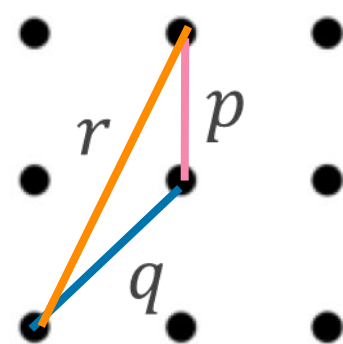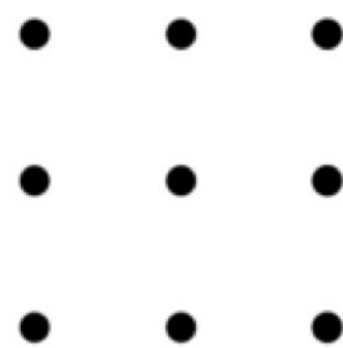Use the triangles drawn or draw your own triangles to help complete the inequalities with the < or > symbol.

$3p \boxed{} r$

$p + q \boxed{} r$

$2p \boxed{} 2q$

$p + r \boxed{} 2q$