Year 11 Mathematics Learning Journey: Unit 7 - Transformations and Constructions


Step 8: Perpendicular from a point

Use a ruler and compasses to construct the perpendicular from the point $P$ to the line $Q R$.


Does enlarging a shape always make it bigger?

| Step 3:Translation |
| :---: |
| What does the column |
| vector $\binom{-5}{1}$ tell us when |
| translating a shape? |


| Step 2: Rotation |  |
| :---: | :---: |
| When rotating by $180^{\circ}$, <br> why do we not need to <br> give a direction? | Step 1: Reflection |

Achievenen 1 resilience

