## Learning Journey - Transformations

| Reference | Content | Review |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | $\odot$ | $\because$ | $\because$ |
| GM5.1 | Position and Cartesian coordinates (Grade 1) <br> - Solve geometric problems on coordinate axes <br> - Use conventional terms and notations: points, lines |  |  |  |
| GM5.2 | Cartesian coordinates in four quadrants (Grade 1) <br> - Solve geometric problems on coordinate axes <br> - Use conventional terms and notations: points, lines |  |  |  |
| GM5.3 | Translation (Grade 1) <br> - Identify, describe and construct congruent and similar shapes, including on coordinate axes by considering translation. <br> - Describe translations as 2D vectors |  |  |  |
| GM5.4 | Reflection (Grade 2/3) <br> - Identify, describe and construct congruent and similar shapes, including on coordinate axes by considering reflection and translation. |  |  |  |
| GM5.5 | Rotation (Grade 2/3) <br> - Identify, describe and construct congruent and similar shapes, including on coordinate axes by considering rotation, reflection and translation. |  |  |  |
| GM5.6 | Enlargement (Grade 3/4) <br> - Identify, describe and construct congruent and similar shapes, including on coordinate axes by considering rotation, reflection, translation and enlargement (including fractional scale factors). <br> - Use scale factors <br> - Compare lengths and areas. <br> - Make links to scale factors |  |  |  |
| GM5.7 | Similarity (Grade 5/6) <br> - Identify, describe and construct congruent and similar shapes, including on coordinate axes by considering rotation, reflection, translation and enlargement. <br> - Use scale factors <br> - Compare lengths and areas. <br> - Make links to similarity and scale factors. <br> - Apply the concepts of congruence and similarity, including the relationships between |  |  |  |

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## STUDENT REFLECTION

I can now

This is something i could not do at the start of the topic

I now understand

This is something idid not understand at the start of the topic

I need more help with

As i still have ot quite understood it

The work i am most proud of in this topic is

Because

I believe I am working at level $\qquad$ in this topic

