

8th Grade Math

SUMMER PREPWORK

Hi Seniors,

In order to prepare for 8th grade mathematics, you are assigned some IXL pathways that will allow you hit the ground running in September. The summer prepwork will be counted as a quiz grade. Quizzes are 25% of your total grade. These pathways will be counted as 10 points each, totaling 200 points. In order to receive a 10/10 for each pathway you achieve a Smartscore of 70. If you have any questions please reach out

The IXL pathways that you should complete before you return to school in September are:

Transformations and congruence

1. [P.1Symmetry](#)
2. [P.2Identify reflections, rotations, and translations](#)
3. [P.3Translations: graph the image](#)
4. [P.4Translations: find the coordinates](#)
5. [P.6Reflections: find the coordinates](#)
6. [P.7Rotations: graph the image](#)
7. [P.8Rotations: find the coordinates](#)
8. [P.9Congruence statements and corresponding parts](#)
9. [P.10Side lengths and angle measures of congruent figures](#)

Two-dimensional figures

1. [O.6Find missing angles in triangles](#)
2. [O.7Find missing angles in quadrilaterals](#)
3. [O.8Exterior Angle Theorem](#)
4. [O.10Identify complementary, supplementary, vertical, adjacent, and congruent angles](#)
5. [O.11Find measures of complementary, supplementary, vertical, and adjacent angles](#)
6. [O.12Transversal of parallel lines](#)

Transformations and similarity

1. [Q.1Similar and congruent figures](#)
2. [Q.2Dilations: graph the image](#)
3. [Q.3Dilations: find the coordinates](#)
4. [Q.4Dilations: scale factor and classification](#)
5. [Q.5Side lengths and angle measures of similar figures](#)

Best,

Mr. Umegbolu