



Jeddah Knowledge International School
IXL Grade 9 going to 10 Summer Study Breakdown
(2020-2021)

Please note that The Math IXL HW should be completed before the 2nd August as this will be the cutoff date for the calculation of scores.

Part 1:

Please be informed that all grade 10 students shall be issued a diagnostic test. This shall take place for one period during the first 2 weeks of the new academic year. The test will be based on the concepts below:

- Exponent Laws
- Radicals
- Factorisation
- Coordinate Geometry
- Straight Line Graphs
- Rearranging and substitution in Formulae
- Simultaneous Equations
- Area of 2D shapes
- Volume and surface area of 3D shapes

To prepare students are advised to:

- Reflect on problems in their exercise books,
- Attempt all sections of the summer pack,
- Review grade 9 quarters 1 to 4 revision packs which are available through managebac
- Complete all IXL skills below

IXL Skill

Algebra I AA.6 [Factor quadratics: special cases](#)

Algebra I V.6 [Multiplication and division with exponents](#)

Algebra I BB.8 [Solve a quadratic equation by factoring](#)



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Part 2:

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IXL Skill

Algebra I BB.11 [Solve a quadratic equation using the quadratic formula](#)

Algebra I F.4 [Volume](#)

Algebra I G.4 [Distance between two points](#)

Part 3:

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IXL Skill

Algebra I AA.7 [Factor by grouping](#)

Algebra V.9 [Identify equivalent expressions involving exponents I](#)

Algebra U. 10 [Solve a system of equations using elimination](#)