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

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 :
Go to Algebra I: **AA. Factoring** - Factor quadratics: special cases
V.Exponents - Power rule
BB.Quadratic equations -Solve a quadratic equation by factoring

Part 2:
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 :
Go to Algebra I: BB.Quadratic equations - Solve a quadratic equation using the quadratic formula
F.Geometry - Volume
G.Coordinate plane - Midpoint formula: find the midpoint
Part 3:
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

Go to Algebra I:

AA. Factoring
- Factor by grouping

V .Exponents

- Identify equivalent expressions involving exponents I

U. Systems of linear equations

- Solve a system of equations using elimination

Please note that The Math IXL HW should be completed before the 1st August as this will be the cutoff date for the calculation of scores.