



Entrance Exam Requirements “Going to Grade 10 SAT”

Algebra 1:

1. Variables and Expressions
2. Order of Operations and Evaluating Expressions
3. Real Numbers and the Number Line
4. Properties of Real Numbers
5. Adding and Subtraction Real Numbers
6. Multiplying and Dividing Real Numbers
7. The Distributive Property
8. Patterns, Equations, and Graphs
9. Solving Multi-Steps Equations
10. Solving Equations With Variables on Both Sides
11. Literal Equations and Formulas
12. Ratios, Rates, and Conversions
13. Solving Proportions
14. Proportions and Similar Figures
15. Percents
16. Inequalities and their Graphs

17. Solving Multi-steps Inequalities
18. Working With Sets
19. Compound Inequalities
20. Absolute Value Equations and Inequalities
21. Unions and Intersections of Sets
22. Using Graphs to Relate Two Quantities
23. Patterns and Linear Functions
24. Patterns and Nonlinear Functions
25. Graphing a Function Rule
26. Writing a function Rule
27. Formalizing Relations and Functions
28. Linear Inequalities
29. Systems of linear Inequalities
30. Applications of Linear System
31. Solving Systems Using Elimination
32. Solving systems Using Substitution
33. Solving Systems by Graphing
34. Graphing Absolute Value Functions
35. Scatter Plots and Trend Lines

Geometry:

1. Lines and Angles
2. Properties of Parallel Lines
3. Proving Lines Parallel
4. Parallel and Perpendicular lines
5. Parallel Lines and Triangles
6. Constructing Parallel and Perpendicular Lines
7. Equations of Lines in the Coordinate Plane
8. Slopes of Parallel and Perpendicular Lines
9. Congruent Figures
10. Triangle Congruence by SSS and SAS
11. Triangle Congruence by ASA and AAs
12. Using Corresponding Parts of
13. Congruent Triangles
14. Isosceles and Equilateral Triangles
15. Congruence in Right Triangles
16. Congruence in Overlapping

17. Triangles
18. Mid-segments of Triangles
19. Perpendicular and Angle Bisectors
20. Bisectors in Triangles
21. Medians and Altitudes
22. Indirect Proof
23. Inequalities in One Triangle
24. Inequalities in Two Triangles
25. The Polygon-Angle Sum theorems
26. Properties of Parallelogram
27. Proving That a Quadrilateral Is a Parallelogram
28. Properties of Rhombuses, Rectangles, and Squares
29. Conditions for Rhombuses, Rectangles, & Squares
30. Trapezoids and Kites
31. Polygons in the Coordinate Plane
32. Applying Coordinate Geometry
33. Proofs Using Coordinate Geometry

English

- **Reading Comprehension:** Students should be able to answer multiple choice questions based on a *critical reading* passage.
- **Grammar:** In the Grammar Section, candidates should be able to identify sentence errors. In addition, they should be able to decide on an answer that best revises the underlined part.
- **Essay:** The last question requires pupils to compose a persuasive, discursive or descriptive essay in response to a certain topic.

اللغة العربية

امتحان القبول في مادة اللغة العربية للطلاب المرشحين للقبول بالصف العاشر (الأول ثانوي)

* الموضوعات المطلوبة في مادة النحو والصرف (القواعد) من كتاب الصف الثالث المتوسط (لغتي الخالدة) الفصل الدراسي الثاني، من الكتاب المقرر في مدارس المملكة العربية السعودية:

١. درس (اسم الآلة) ص (١٥٧ - ١٥٨) + تدريبات هذا الدرس

٢. درس (النعته) ص (٦٧ - ٦٨ - ٦٩ - ٧٠) + تدريبات هذا الدرس

٣. درس (العطف) ص (١٦٦ - ١٦٧)

٤. درس (البدل) ص (٢٥٧ - ٢٥٨ - ٢٥٩ - ٢٦٠ - ٢٦١)

Senior School

Administration