

Academic Year	2024/2025
العام الدراسي	
Term	1
الفصل	
Subject	Mathematics/Reveal
المادة	الرياضيات/ريفيل
Grade	8
الصف	
Stream	-----
المسار	عام
Number of MCQ	15
عدد الأسئلة الموضوعية	
Marks of MCQ	4
درجة الأسئلة الموضوعية	
Number of FRQ	6
عدد الأسئلة المقالية	
Marks per FRQ	
الدرجات للأسئلة المقالية	
Type of All Questions	MCQ/ الموضوعية
نوع كافة الأسئلة	الأسئلة المقالية
Maximum Overall Grade	100
الدرجة القصوى الممكنة	
Exam Duration -	150 minutes
مدة الامتحان -	
Mode of Implementation - طريقة التطبيق-	SwiftAssess & Paper-Based
طريقة التطبيق-	
Calculator	Not Allowed
الآلة الحاسبة	غير مسموحة

Question*	Learning Outcome/Performance Criteria**	Reference(s) in the Student Book (Arabic Version)	
		المرجع في كتاب الطالب (النسخة العربية)	Page
السؤال *	نتائج التعلم / معايير الأداء**	مثال/تمرين	صفحة
1	Write very large and very small numbers using scientific notation Perform computations with numbers written in scientific notation	1-10 1-6	53 61
2	Use the Zero Exponent Rule and the Quotient of Powers Property to simplify expressions with zero and negative integer exponents Use the Power of a Power Property and the Power of a Product Property to simplify expressions with integer exponents	1-12 1-10	41 31
3	Use rational approximations to compare and order real numbers, including irrational numbers	1-7	121
4	Estimate irrational numbers by approximating their locations on a number line or by truncating their decimal expansions	1-11	109
5	Use the properties of equality to solve equations with variables on each side that have rational coefficients	1-8	135
6	Identify the slope of a line and interpret it as the rate of change within the context of the problem	1-7	203
7	Use integer exponents to show repeated multiplication of rational numbers.	1-9	11
8	Use the Laws of Exponents to multiply and divide monomials with common bases.	1-9	23
9	Use the Power of a Power Property and the Power of a Product Property to simplify expressions with integer exponents.	1-10	31
10	Use the Zero Exponent Rule and the Quotient of Powers Property to simplify expressions with zero and negative integer exponents.	1-12	41
11	Find square and cube roots	1-7	89
12	Show how the decimal form of a rational number repeats eventually.	Learn 1-12	70 77
13	Use square and cube roots to solve equations involving perfect squares and cubes.	1-10	89
14	Identify irrational numbers and name the set(s) of real numbers to which a given real number belongs.	1-13	99
15	Write and solve multi-step linear equations with rational coefficients by using the Distributive Property and combining like terms.	Examples 1-3	152-153 157
16	Write linear equations in one variable with rational coefficients and use the properties of equality to solve them.	Examples 1-5	138-139 143
17	Identify the number of solutions of a linear equation in one variable by simplifying each side and comparing coefficients and constants.	1-9	167
18	Solve multi-step linear equations with rational coefficients by using the Distributive Property and combining like terms.	1-7	149
19	Graph and compare proportional relationships using words, equations, and tables and interpret the unit rate as the slope of the line.	Examples 1-4	177-180 189
20	Identify similar triangles that fall on the same line in a coordinate plane and show that the slopes of the lines are equal.	Example 1-5	208 211
21	Derive the equation $y = mx$ from the slope formula and use direct variation equations to represent and solve real-world and mathematical problems.	6-11	224

\* Questions might appear in a different order in the actual exam, or on the exam paper in the case of G3, G4 and G5.

السؤال يترتيب مختلف في الامتحان الفعلي، أو على ورقة الامتحان في حالة الصفوف G3، G4 و G5

\*\* As it appears in the textbook, LMS, and (Main\_IP).

ردت في كتاب الطالب و LMS والخطة الفصلية.