

Academic Year	2023/2024
العام الدراسي	
Term	2
الفصل	
Subject	Mathematics/Reveal
المادة	الرياضيات/ريفييل
Grade	8
الصف	
Stream	General
المسار	العام
Number of MCQ عدد الأسئلة الموضوعية	15
Marks of MCQ درجة الأسئلة الموضوعية	4
Number of FRQ عدد الأسئلة المقالية	4
Marks per FRQ الدرجات للأسئلة المقالية	(8-12)
Type of All Questions نوع كافة الأسئلة	الأسئلة الموضوعية / MCQ/ الأسئلة المقالية / FRQ/
Maximum Overall Grade الدرجة القصوى الممكنة	100
Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation - طريقة التطبيق	Paper-Based
Calculator	Not Allowed
الآلة الحاسبة	غير مسموحة

Question*		Learning Outcome/Performance Criteria**	Reference(s) in the Student Book (English Version)	
			المرجع في كتاب الطالب (النسخة الانجليزية)	
السؤال*		نتائج التعلم / معايير الأداء**	Example/Exercise	Page
			مثال/تمرين	الصفحة
الأسئلة الموضوعية - MCQ	1	Determine whether or not a relation is a function by identifying the number of outputs assigned to each input	1 to 5	261
	2	Generate function tables from function rules and use the sets of ordered pairs to graph the functions	1 to 8	271, 272
	3	Write linear functions from graphs, tables, and verbal descriptions by finding the rate of change and initial value	1 to 4	283
	4	Determine if a function, represented in different forms, is a linear or nonlinear function by using the rate of change, shape of the graph, or structure of the equation	1 to 7	303
	5	Recognize a qualitative graph and interpret the scenario it represents as well as create a qualitative graph	1 to 4	311
	6	Write equations in slope-intercept form to graph them and use the graphs to solve a system of equations	1 to 5	329
	7	Use the slope-intercept form of lines in order to determine whether a system of equations has zero, one, or infinitely many solutions	1 to 12	339, 340
	8	Use elimination to solve a system of linear equations	1 to 11	361
	9	Write and solve a system of equations that models a real-world scenario	1 to 5	373
	10	Use the relationships between angles formed by two parallel lines cut by a transversal to find the measures of missing angles	1 to 8	391
	11	Use the relationships between angles formed by two parallel lines cut by a transversal to find the measures of missing angles.	1 to 8	391
	12	Find the measures of interior and exterior angles in a triangle by using relationships between these angles.	1 to 6	403
	13	Find the measures of the sides of a right triangle using the Pythagorean Theorem and square roots	1 to 6	415
	14	Find the distance between two points on a coordinate plane using the Pythagorean Theorem	1 to 6	427
	15	Translate figures on the coordinate plane and use coordinate notation to describe translations	1 to 6	443
الأسئلة المقالية - FRQ	16	Compare functions that are represented in different ways using their initial values and rates of change	1 to 8	291, 292
	17	Use substitution to solve a system of linear equations, including those that have zero or infinitely many solutions	1 to 11	349
	18	Determine if a triangle is a right triangle by using the converse of the Pythagorean Theorem	1 to 8	421
	19	Describe reflections of figures on the coordinate plane using coordinates and coordinate notation	1 to 6	453
	*	Questions might appear in a different order in the actual exam.		
*	قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي.			
**	As it appears in the textbook, LMS, and (Main_IP).			
**	كما وردت في كتاب الطالب و LMS والخطة الفصلية.			