

Academic Year	2023/2024
العام الدراسي	
Term	1
الفصل	
Subject	Mathematics/Reveal
المادة	الرياضيات/ريفيل
Grade	10
الصف	
Stream	General
المسار	العام
Number of MCQ	15
عدد الأسئلة الموضوعية	
Marks of MCQ	4
درجة الأسئلة الموضوعية	
Number of FRQ	5
عدد الأسئلة المقالية	
Marks per FRQ	(7-9)
الدرجات للأسئلة المقالية	
Type of All Questions	MCQ/ الموضوعية FRQ/ المقالية
نوع كافة الأسئلة	
Maximum Overall Grade	100
الدرجة القصوى الممكنة	
Exam Duration - امتحان	150 minutes
مدة الامتحان	
Mode of Implementation - طريقة التطبيق	Paper-Based
طريقة التطبيق	
Calculator	Allowed
الآلة الحاسبة	مسموحة

Question*	Learning Outcome/Performance Criteria**	Reference(s) in the Student Book (English Version)		
		Example/Exercise	Page	
السؤال*	نتائج التعلم / معايير الأداء**	مثال/تمرين	الصفحة	
الأسئلة الموضوعية - MCQ	1	Prove theorems and solve problems about perpendicular bisectors of line segments	1 to 6 11 to 14	7 8
	2	Solve problems by applying the Centroid Theorem	1 to 10	23
	3	Prove and apply theorems about inequalities in one triangle	12 to 16	32
	4	Solve problems by applying the Exterior Angle Inequality Theorem	1 to 5	31
	5	Prove and apply the Hinge Theorem	1 to 4	49
	6	Prove and use the Polygon Exterior Angles Sum Theorem	15 to 24	64, 65
	7	Prove and use theorems about the properties of parallelograms	1 to 8	71
	8	Recognize and apply the properties of rectangles	1 to 14	87
	9	Recognize and apply the properties of rhombi and squares	1 to 10	95
	10	Apply the properties of trapezoids and use coordinate geometry to find lengths and endpoints of midsegments	1 to 12	105, 106
	11	Determine whether two figures are similar	1 to 10	127, 128
	12	Use the AA Similarity criterion to solve problems and prove triangles similar	1 to 12	133, 134
	13	Use the SSS and SAS Similarity criteria to solve problems and prove triangles similar	1 to 11	139
	14	Use the Pythagorean Theorem to solve problems involving right triangles	26 to 35	173
	15	Understand that by similarity, side ratios in 45°-45°-90° right triangles are related to the angles in the triangles	1 to 18	183
33 to 38			185	
الأسئلة المقالية - FRQ	16	Prove theorems and solve problems about angle bisectors	1 to 6	15
	17	Prove and use the Polygon Interior Angles Sum Theorem	1 to 6	63
	18	Apply the properties of kites to solve real-world and mathematical problems.	13 to 16	106
			19, 20	107
	19	Use scale factors to calculate the dimensions of dilated images	1 to 18	119, 120
		Represent dilations as functions and find the scale factors of dilations		
20	Classify triangles using the converse of the Pythagorean Theorem	15 to 22	172	
*	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 وLMS والخطة الفصلية .			

