

Academic Year	2024/2025
العام الدراسي	
Term	1
الفصل	
Subject	Mathematics/Reveal
المادة	الرياضيات/ريفييل
Grade	10
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	5
Marks per FRQ الدرجات للأسئلة المقالية	(4 to 10)
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	SwiftAssess & Paper-Based
Calculator	Allowed
الآلة الحاسبة	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	Prove theorems and apply geometric methods to solve design problems using the perpendicular bisectors of triangles.	Example 3	5
	2	Prove theorems and solve problems about perpendicular bisectors of line segments	1 to 6	7
			11 to 14	8
	3	Prove and apply the Triangle Inequality Theorem	1 to 12	43
	4	Prove and apply theorems about inequalities in one triangle	6 to 11	31
	5	Prove theorems and solve problems about angle bisectors	1 to 6	15
	6	Prove and use the Polygon Interior Angles Sum Theorem	1 to 6	63
	7	Use the tests for parallelograms to determine whether quadrilaterals are parallelograms	1 to 10	79
	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 kites to solve real-world and	13 to 18	106
11	Represent dilations as functions and find the scale factors of dilations.	6 to 18	119, 120	
12	Use the AA Similarity criterion to solve problems and prove triangles similar	1 to 12	133, 134	
13	Solve problems and prove theorems about parts of similar triangles by using triangle similarity.	1 to 11	153	
14	Use similarity criteria for triangles and geometric means to solve problems and to prove relationships in geometric figures.	1 to 15	165	
15	Understand that by similarity, side ratios in 45°-45°-90° right triangles are related to the angles in the triangles	31 to 49	185, 186	
الأسئلة المقالية - FRQ				
	16	Prove theorems and solve problems about angle bisectors	7 to 13	15, 16
	17	Prove and use theorems about the diagonals of parallelograms	9 to 14	72
	18	Determine whether two figures are similar	1 to 14	127, 128
	19	Solve problems by using the trigonometric ratios for acute angles.	1 to 27	191, 192
		Solve problems by using the inverse trigonometric ratios for acute angles.		
		Use the Pythagorean Theorem to solve problems involving right triangles.	1 to 12	171
20	Solve problems by using the trigonometric ratios for acute angles	1 to 15	191	
*	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 .			

