UNITED ARAB EMIRATES
MINISTRY OF EDUCATION

الإمارات العربية المتحدة
وزارة التربية والتعليم

End of Term 1 Exam Coverage	هيكل اختبار نهاية الفصل الدراسي الأول
Grade 10 General - Mathematics	**الصف العاشر - عام - الرياضيات**
Academic Year 2026-2027	العام الدراسي 2027-2026
Reveal	ريفيل

عدد الأسئلة Number of questions	درجة السؤال Marks per question	الدرجة القصوى الممكنة Maximum overall grade
25	**MCQ (2-4)** **FRQ (6-11)**	**100**

مدة الاختبار Exam duration	طريقة التطبيق Mode of implementation	الآلة الحاسبة Calculator
150 دقيقة **150 minutes**	**إلكتروني وورقي** **Electronic & Paper**	**يُسمح باستخدام الآلة الحاسبة العلمية** **The use of a scientific calculator is allowed**

⚠ قد تظهر الأسئلة بترتيب مختلف في الاختبار الفعلي.
النواتج التعليمية كما وردت في
LMS (SS&IP_AY26-27_Mathematics_G10_General_EN)

⚠ Questions might appear in a different order in the actual exam.
Learning outcome as it appears in:
LMS (SS&IP_AY26-27_Mathematics_G10_General_EN)

نوع الأسئلة Question type	Q	ناتج التعلم Learning outcome	مثال/تمرين Example/Exercise	الصفحة Page
أسئلة اختيار من متعدد Multiple Choice Questions	Q1	Multiply binomials by using the FOIL method	1-6	649
	Q2	Find squares of sums and differences	Learn	653 & 655
			1-6	657
	Q3	Find the product of a sum and a difference	15-20	658
	Q4	Factor polynomials by using the Distributive Property	1-6	665
	Q5	Factor trinomials of the form x^2 + bx + c	73-78	674
	Q6	Factor trinomials of the form ax^2 + bx + c	21-26	672
	Q7	Factor binomials that are the difference of squares	1-6	679
	Q8	Divide monomials using the properties of exponents	Learn	581
			5-9	583
	Q9	Simplify expressions containing negative and zero exponents	Learn	587
			11-14	591
	Q10	Evaluate and rewrite expressions involving rational exponents	9-16	599
	Q11	Simplify radical expressions by using the Product Property of Square Roots	67-70	609
	Q12	Simplify radical expressions by using the Quotient Property of Square Roots	15-18	607
			55 & 56	608
	Q13	Add and subtract radical expressions	1-8	615
	Q14	Solve quadratic equations by factoring	29 & 30	722
	Q15	Solve quadratic equations by using the Square Root Property	37-39	730
		Solve quadratic equations by completing the square	Learn	725
	Q16	Write a quadratic function in the form y = a(x - h)^2 + k	Learn	699
		Transform graphs of quadratic functions of the form y = a(x - h)^2 + k	3-10	707
	Q17	Solve quadratic equations by factoring	5-10	721
	Q18	Write a quadratic function in the form y = a(x - h)^2 + k	Learn	703 & 704
		Transform graphs of quadratic functions of the form y= a(x-h)^2 + k	23-30	707 & 708

نوع الأسئلة Question type	Q	ناتج التعلم Learning outcome	مثال/تمرين Example/Exercise	الصفحة Page
أسئلة اختيار من متعدد Multiple Choice Questions	Q19	Solve quadratic equations by graphing	Learn	711
			1-6	713
	Q20	Solve quadratic equations by completing the square	1-6	729
أسئلة مقالية Free Response Questions	Q21	Add and subtract polynomials	27-34	636
	Q22	Multiply polynomials by using the Distributive Property	18-23	650
	Q23	Multiply monomials using the properties of exponents	25-30	576
		Simplify expressions using the multiplication properties of exponents	56-58	578
	Q24	Find and interpret the maximum and minimum values of a quadratic function	1-4	695
	Q25	Write quadratic equations using the Standard Form	31-34	722