Oxford Revise | Edexcel GCSE Maths Foundation| Answers
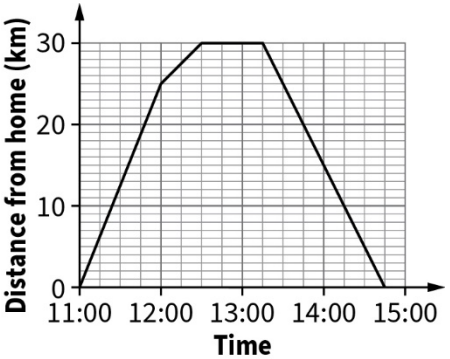
Chapter 9 Real-life graphs

Question	Answer	Extra information	Marks
9.1 (a)	30 km		1
9.1 (b)	The gradient is less steep after 12:00		1
9.1 (c)	Distance run = 5 km in 30 minutes. Speed is thus 10 km/h	Correct reading of values from the graph Correct answer	1 1
9.1 (d)		Correctly rendering Section 1 Correctly rendering Section 2	1 1
9.2 (a)	Weeks 3, 5, 7 and 9 (the height goes down)		1
9.2 (b)	Weeks 9 and 12 (the gradient is the least steep there)		1
9.2 (c)	It grew 2 cm in 2 weeks, so 1 cm per week		1

Question	Answer	Extra information	Marks
9.3	a – B b – A c – C	One pool correctly identified All three correctly identified	1 1
9.4			2
9.4 (a)	6 Euros		1
9.4 (b)	12 Pounds		1
9.4 (c)	If 5 Pounds = 6 Euros, then 1 Pound = 1.2 Euros 200 Pounds = 200 × 1.2 = 240 Euros	Accept any reasonable pair used to convert Correct answer, within reasonable tolerance	1 1

Question	Answer	Extra information	Marks
9.5	Graph C		1
9.6 (a)	£4		1
9.6 (b)	£2		1
9.6 (c)	23 miles		1
9.7	$3x+3x+(x+1)+(x+1)=8x+2$ $8x+2=38$ $8x=36$ $x=4.5$	Correct expression for perimeter (not necessarily simplified) Attempting to solve the equation for the perimeter Correct answer	1 1 1
9.8	$y=\dfrac{5}{6}x+\dfrac{13}{6}$	2 marks for correct answer o.e. Or 1 mark for gradient = $\dfrac{5}{6}$	2