GCSE (9–1) Mathematics

Pearson Edexcel

Further Education Online Diagnostic Assessment for GCSE (9–1) Mathematics

Following our research with FE centres and Sixth Form colleges from across the UK, we discovered that there were 28 key topics professionals considered fundamental to the progress of GCSE (9–1) Maths students working towards a Grade 4.

Key Topics			
Ordering decimals	Speed, distance, time	Simplifying expressions	Percentage increase/decrease
Order of operations	Rounding	Nth Term	Compound interest
HCF & LCM	Estimation	Solve linear equation	Averages & Range
Product of prime factors	Circles	Expand double brackets	Scattergraphs
Money calculations	Area	Angle properties in a triangle/ straight line	Pie charts
Fraction of amount	Sharing ratio	Angles in parallel lines	Transformations
Time	Probability	Fractions to percentages	Coordinates

The Online Diagnostic Assessments have been built around these key topics and are tested across 31 questions to allow teachers and lecturers the ability to diagnose the needs of their students quickly. The details of the key topics and relevant specification references are listed below.

Question Number	Key Topic	Specification Reference	Question Number	Key Topic	Specification Reference
1	Ordering decimals	N1	17	Solve linear equation	A17
2	Order of operations	N3	18	Expand double brackets	A4
3	HCF & LCM	N4	19	Angle properties in a triangle/ straight line	G3/G4
4	Product of prime factors	N4	20	Angles in parallel lines	G3/G4
5	Money calculations	N13	21	Fractions to percentages	N12
6	Fraction of an amount	N11	22	Percentage increase/decrease	R9
7	Time	N13	23	Compound interest	R11
8	Speed, distance, time	R11	24	Averages & Range (I)	S4
9	Rounding	N15	25	Averages & Range (II)	S4
10	Estimation	N14	26	Probability scale	P3
11	Circles	G17	27	Exhaustive probability	P4
12	Area	G16	28	Scattergraphs	S6
13	Recipes	R5	29	Pie charts	S2
14	Sharing ratio	R5	30	Transformations	G7
15	Simplifying expressions	A4	31	Coordinates	A8
16	Nth Term	A25			

Stay in touch!

For further support, contact our subject advisor at **teachingmaths@pearson.com**