Tables for determining National Curriculum Levels from MEP Year 7 Diagnostic Test results (Express)

Diagnostic Test A

Below Level 4 : Mark < 17	**Level 4** : $17 \leq$ Mark < 39	**Level 5** : Mark $\geq$ 39

Diagnostic Test B

Below Level 4 : Mark < 9	**Level 4** : $9 \leq$ Mark < 33	**Level 5** : Mark $\geq$ 33

Diagnostic Test C

Below Level 4 : Mark < 11	**Level 4** : $11 \leq$ Mark < 35	**Level 5** : Mark $\geq$ 35

Diagnostic Test D

Level 4 : $11 \leq$ Mark < 30	**Level 5** : $30 \leq$ Mark < 43	**Level 6** : Mark $\geq$ 43

Diagnostic Test E

Level 5 : $25 \leq$ Mark < 42	**Level 6** : Mark $\geq$ 42

Diagnostic Test F

Level 5 : $47 \leq$ Mark < 76	**Level 6** : Mark $\geq$ 76

The remainder of this document details the National Curriculum attainment target and level for each question in each of the Year 7 Diagnostic Tests (Express Route).

Year 7   Diagnostic Test A   Summary of Levels

Below Level 4 : Mark < 17	**Level 4** : 17 ≤ Mark < 39	**Level 5** : Mark ≥ 39

Chapter	Number	Question	Attainment Target	Level
1.1	1	Solve logic puzzles	-	-
1.3	2	Sort data using Venn diagrams	4	4
2.2	3	Round to a given number of decimal places	2	5
2.2	4	Write numbers as figures	2	4
2.2	5	Order whole numbers & decimals by size	2	4
2.1	6	Rounding numbers	2	4
2.2	7	Understanding inequalities	2	4
3.4	8	Plotting coordinates in all 4 quadrants	2	5
3.1	9	Interpreting data from scatter graphs	4	5
3.6	10	Using conversion graphs	4	5
4.1	11	Add/subtract whole numbers	2	3
4.2	12	Solving number problems in context	2	4
4.1	13	Add/subtract decimals	2	4
4.2	14	Solving money problems in context	2	4
5.2	15	Measuring angles using a protractor	3	5
5.1	16	Relating angles to turns	3	5
5.1	17	Angles & the compass	3	4
5.4	18	Angles at a point, on a line, sum in a triangle	3	5
5.6	19	Angles of a triangle	3	5

Attainment Target	Questions	Levels
Number & Algebra 2	3,4,5,6,7,8,11,12,13,14	5,4,4,4,4,4,5,3,4,4,4
Shape, Space & Measure 3	15,16,17,18,19	5,5,4,5,5
Statistics 4	2,9,10	4,5,5
Non NC material	1	N/A

Year 7   Diagnostic Test B   Summary of Levels

Below Level 4 : Mark < 9			**Level 4** : 9 ≤ Mark < 33	**Level 5 :** Mark ≥ 33

Chapter	Number	Question	Attainment Target	Level
3.4	1	Plotting co-ordinates in 4 quadrants	2	5
3.6	2	Working with conversion graphs	4	5
5.4	3	Finding angles around points and in triangles	3	5
6.1	4	Multiplying by 10 and 100	2	4
6.4	5	Speed Distance Time problems	2	5
6.3	6	Multiplication with Decimals	2	5
4.2	7	Money Problems	2	4
7.2	8	Finding the next two terms in a sequence	2	4
7.4	9	Generating a sequence from a rule (nth term)	2	5/6
7.4	10	Finding the nth term of a sequence	2	6
8.1	11	Putting ( )'s into an expression	2	5
12.1	12	Division	2	5
12.2	13	Money Problems	2	5
12.2	14	Money Problems	2	5
9.4	15	Area and Perimeter of rectangles	3	5
9.5	16	Area of a triangle	3	6
9.5	17	Area of compound shapes	3	6

Attainment Target	Questions	Levels
Number & Algebra 2	1,4,5,6,7,8,9,10,11,12,13,14	5,4,5,5,4,4,5/6,6,5,5,5,5
Shape, Space & Measure 3	3,15,16,17	5,5,6,6
Statitics 4	2	5

Year 7　　　Diagnostic Test C　　　Summary of Levels

Below Level 4 : Mark < 11	Level 4 : 11 ≤ Mark < 35	Level 5 : Mark ≥ 35

Chapter	Number	Question	Attainment Target	Level
10.1	1	Identify fractions of a shape	2	4
10.1	2	Shade fractions of a shape	2	4
10.4	3	Fraction problems in context	2	4
10.2	4	Equivalent fractions	2	4
10.3	5	Fractions of a quantity	2	5
10.4	6	Fraction problems in context	2	5
10.4	7	Fraction problems in context	2	5
10.4	8	Improper fractions to/from mixed numbers.	2	5
10.2	9	Comparing the size of fractions	2	5
11.1	10	Distinguish between types of data	4	5
11.2	11	Illustrate data: frequency tables, bar/pie charts	4	3/4/6
12.1	12	Use 4 rules of arithmetic with decimals	2	4/5
12.2	13	Solve number problems in context	2	4
12.2	14	Solve number problems in context	2	5
12.2	15	Solve number problems in context	2	4
3.4	16	Coordinates in 4 quadrants	2	5
5.6	17	Angles of a triangle	3	5
7.4	18	Generating terms formula. Finding nth term	2	6
7.4	19	Finding the area/perimeter of compound shape	3	5
19.1	20	Converting from one decimal unit to another	3	5

Attainment Target	Questions	Levels
Number & Algebra 2	1,2,3,4,5,6,7,8,9,12,13,14,15,16,18	4,4,4,4,5,5,5,5,5,4/5,4,5,4,5,6
Shape, Space and Measure 3	17,19,20	5,5,5
Statistics 4	10,11	6,3/4/6

Level 4 : 11 ≤ Mark < 30	Level 5 : 30 ≤ Mark < 43	Level 6 : Mark ≥ 43

Chapter	Number	Question	Attainment Target	Level
13.2	1	Finding the 9th, 17th, 100th shape in a sequence	2	5
13.3	2	Finding the nth shape in the sequence	2	6
13.2	3	Writing down the next two terms in a sequence	2	5
14.1	4	Writing times in word and digits	3	3
14.2	5	Writing times in 24 Hour clock	3	3
14.2	6	Writing times in 12 Hour clock	3	3
14.4	7	Reading timetables	4	5
15.1	8	Operations with directed number	2	5
15.1	9	Filling in the missing numbers	2	5
13.2	10	Writing down the next two terms in sequence	2	5
16.1	11	Substitution into a formulae	2	5
16.1	12	Simplifying expressions	2	5
16.2	13	Using function Machines	2	4/5
16.3	14	Solving equations with x on one side/both sides	2	6
17.2	15	Fractions of amounts	2	5
17.3	16	Finding the fraction remaining	2	5
8.2	17	Division with decimals	2	5
12.2	18	Money Problems	2	5
9.5	19	Calculating the area of a compound Shape	3	6

Attainment Target	Questions	Levels
Number & Algebra 2	1,2,3,8,9,10,11,12,13,14,15,16,17,18	5,6,5,5,5,5,5,5,4/5,6,5,5,5,5
Shape, Space & Measure 3	4,5,6,19	3,3,3,6
Handling Data 4	7	5

Year 7   Diagnostic Test E   Summary of Levels

Level 5 : 25 ≤ Mark < 42	**Level 6** : Mark ≥ 42

Chapter	Number	Question	Attainment Target	Level
17.2	1	Find a %age of a shape	2	4
17.1	2	Convert decimals to fractions	2	5
17.1	3	Convert fractions to decimals	2	5
17.3	4	Convert %age to fraction	2	5
17.2	5	Calc. A %age of an amount	2	5
18.2	6	Find the mean, mode, median & range	4	4/5/6
2.2	7	Approximation	2	4
19.2	8	Using map scales	3	5
19.3	9	Calculating distances using map scales	3	5
19.3	10	Calculating map scales	3	5
20.1	11	Mult/div. Of decimals	2	5
20.2	12	Sub/mult/div of fractions	2	6
20.3	13	Calculate area of a rectangle	3	6
7.4	14	Finding the next term in a sequence	2	5
16.1	15	Substituting numbers into an expression	2	5
16.1	16	Simplifying expressions	2	6
16.3	17	Solving linear equations	2	6
9.4	18	Calculate area of compound shape	3	6

Attainment Target	Questions	Levels
Number & Algebra 2	1,2,3,4,5,7,11,12,14,15,16,17	4,5,5,5,5,4,5,6,5,5,6,6
Shape, Space & Measure 3	8,9,10,13,18	5,5,5,6,6
Statistics 4	6	4/5/6

Year 7   Diagnostic Test F   Summary of Levels

Level 5 :	Level 6 :
47 ≤ Mark < 76	Mark ≥ 76

Chapter	Number	Question	Attainment Target	Level
21.1	1	Marking events on a probability scale	4	5
21.2	2	Finding the probability for a single event	4	5
21.6	3	Mutually exclusive events	4	8
22.3	4	Calculating the volume of the prism	3	6
22.5	5	Mass, Density, Volume problems	3	6
2.2	6	Writing numbers to a number of decimal places	2	5
3.4	7	Plotting points in 4 quadrants	2	5
5.4	8	Calculating missing angles	3	5
4.1	9	Operations with decimals	2	4/5
9.5	10	Areas of triangles	3	6
13.3	11	Finding the next two terms in a sequence	2	5/6
12.2	12	Money problems	2	5
9.3	13	Converting between metric units	3	5
10.1	14	Finding the fraction, % shaded	2	4
10.1	15	Shading a fraction of a rectangle	3	4
10.3	16	Fractions of amounts	3	5
10.2	17	Equivalent fractions	3	5
11.2	18	Completing a frequency table, bar/pie chart	4	3/4/6
13.1	19	Finding the nth term in a sequence	2	5/7
14.2	20	Writing times in 24 hour clock	3	3
14.2	21	Writing times in 12 hour clock	3	3
15.1	22	Operations with directed number	2	5/6
16.1	23	Substitution into a formula	2	5
16.1	24	Simplifying expressions	2	5
16.3	25	Solving equations with x on both sides	2	5/6
17.1	26	Converting decimals to fractions	2	5
17.3	27	Writing a percentage as a fraction	2	5
17.2	28	Finding a percentage of an amount	2	5
18.2	29	Finding the average for set of data	4	5
19.3	30	Map scales	2	5
20.3	31	Operations with Fractions	2	7

Attainment Target	Questions	Levels
Number & Algebra 2	6,7,9,11,12,14,19,22,23,24,25,26,27,28, 30,31	5,5,4/5,5/6,5,4,5/7,5/6,5,5,5/6,5, 5,5,5,7
Shape, Space & Measure 3	4,5,8,10,13,15,16,17,20,21	6,6,5,6,5,4,5,5,3,3
Handling Data 4	1,2,3,18,29	5,5,8,3/4/6,5