

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

Diagnostic Test A

Level 3 : $15 \leq \text{Mark} < 30$	Level 4 : $30 \leq \text{Mark} < 43$	Level 5 : $\text{Mark} \geq 43$
--	--	---

Diagnostic Test B

Below Level 4 : $\text{Mark} < 21$	Level 4 : $21 \leq \text{Mark} < 41$	Level 5 : $\text{Mark} \geq 41$
--	--	---

Diagnostic Test C

Below Level 4 : $\text{Mark} < 25$	Level 4 : $25 \leq \text{Mark} < 41$	Level 5 : $\text{Mark} \geq 41$
--	--	---

Diagnostic Test D

Below Level 4 : $\text{Mark} < 19$	Level 4 : $19 \leq \text{Mark} < 39$	Level 5 : $\text{Mark} \geq 39$
--	--	---

Diagnostic Test E

Level 4 : $20 \leq \text{Mark} < 39$	Level 5 : $\text{Mark} \geq 39$
--	---

Diagnostic Test F

Level 4 : $33 \leq \text{Mark} < 74$	Level 5 : $\text{Mark} \geq 74$
--	---

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

Level 3 : 15 ≤ Mark < 30	Level 4 : 30 ≤ Mark < 43	Level 5 : Mark ≥ 43
------------------------------------	------------------------------------	-------------------------------

Chapter	Number	Question	Attainment Target	Level
1.1	1	Completing logic puzzles	-	-
1.2	2	Interpreting data in tables	4	3
2.1	3	Rounding to 10,100.	2	3
2.2	4	Rounding to given d.p.	2	4
2.1	5	Writing numbers as figures	2	3
2.1	6	Recognising place value	2	3
2.1	7	Ordering whole numbers	2	3
3.2	8	Using coordinates 1 st quad.	2	4
3.1	9	Interpreting scatter graphs	4	5
4.1	10	Add & subtract whole numbers	2	3
4.1	11	Solve number problems in context	2	4
4.1	12	Add & subtract decimals	2	4
5.1	13	Giving directions using a compass	3	3
5.2	14	Measuring angles	3	5
5.3		Classifying angles		
5.5	15	Constructing triangles	3	5

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

Below Level 4 : Mark < 21	Level 4 : $21 \leq \text{Mark} < 41$	Level 5 : Mark ≥ 41
-------------------------------------	--	------------------------------------

Chapter	Number	Question	Attainment Target	Level
3.2	1	Plotting cords. 1 st quad	2	4
5.1	2	Using a compass to give direction	3	3
5.5	3	Constructing a triangle	3	5
6.1	4	Multiplication of whole numbers	2	4
6.4	5	Solving multiplication problems in context	2	4
6.3	6	Multiplication of decimals	2	5
4.2	7	Money problems in context	2	4
7.1	8	Writing multiples of a whole number	2	4
7.2	9	Finding the next term in a sequence	2	4
7.3	10	Finding outputs of number machines	2	4
8.1	11	Using order of operations	2	5
8.2	12	Division of whole numbers	2	4/5
8.2	13	Division problems in context	2	4
8.2	14	Division problems in context	2	4
9.4	15	Calculating areas & perimeters of shapes	3	5
9.3	16	Covert from one metric unit to another	3	5

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

Below Level 4 : Mark < 25	Level 4 : $25 \leq \text{Mark} < 41$	Level 5 : Mark ≥ 41
-------------------------------------	--	------------------------------------

Chapter	Number	Question	Attainment Target	Level
10.1	1	Recognise fractions of a shape	2	4
10.1	2	Shade fractions of a shape	2	4
10.1	3	Simple fraction problem in context	2	3
10.2	4	Finding equivalent fractions	2	3
10.3	5	Finding fractions of quantities	2	5
10.3	6	Solving fraction problems in context	2	5
10.3	7	Solving fraction problems in context	2	5
11.2	8	Collect data in a tally chart	4	4
11.2	9	Interpreting data	4	3/4/6
12.1	10	Using 4 operations with whole numbers/decimals	2	3/4/5
12.2	11	Numerical problems in context	2	4
12.2	12	Numerical problems in context	2	5
12.2	13	Numerical problems in context	2	4
3.2	14	Coordinates 1 st quadrant	2	4
7.2	15	Finding next term in a sequence	2	4
9.4	16	Calculate area & perimeter of compound shapes.	3	5
9.3	17	Convert one metric unit to another	3	5

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

Below Level 4 : Mark < 19	Level 4 : $19 \leq \text{Mark} < 39$	Level 5 : Mark ≥ 39
-------------------------------------	--	------------------------------------

Chapter	Number	Question	Attainment Target	Level
7.1	1	Find the next shape in a pattern	2	4
7.1	2	Drawing sequence of patterns	2	4
7.1	3	Finding the next term in a sequence	2	4
14.1	4	Writing times in digits & words	3	3
14.2	5	Using 24 hour clock	3	3
14.2	6	Using am. & pm times	3	3
14.4	7	Reading & interpreting timetables	3	3
15.2	8	Using the 4 operations for -ve numbers	2	5
15.2	9	Problem solving with -ve numbers	2	5
7.1	10	Finding the next term in a sequence	2	5
16.1	11	Substitution into formulae	2	5
16.1	12	Simplify expressions	2	5
16.2	13	Finding outputs of function machines	2	4
16.3	14	Solve linear equations	2	6
10.3	15	Find a fraction of a quantity	2	5
10.4	16	Fraction problem in context	2	5
4.1	17	Subtraction & multiplication of decimals	2	4/5
4.2	18	Money problems in context	2	5
9.2	19	Find the area & perimeter of a rectangle	3	5

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

Level 4 : 20 ≤ Mark < 39	Level 5 : Mark ≥ 39
------------------------------------	-------------------------------

Chapter	Number	Question	Attainment Target	Level
17.3	1	Find the %age of a shape	2	4
17.1	2	Convert decimals into fractions	2	5
17.1	3	Convert fractions into decimals	2	5
17.3	4	Convert %age into a fraction	2	5
17.2	5	Find a %age of a quantity	2	5
18.2/3	6	Calculate the mean, mode, median & range	4	5
18.1	7	Interpret data from a vertical line graph	4	4
2.1	8	Calculate upper/lower bounds of a length	2	4
19.2	9	Using scales to calculate lengths	3	4
19.2	10	Using scales to calculate lengths	3	4
4.1/8.2	11	Operations with decimals	2	4
20.2	12	Addition & subtraction of fractions	2	5
20.1	13	Fraction problem in context	2	4
13.2	14	Finding the next term in a sequence	2	4
14.1	15	Covert am.time to 24 hour clock time	3	3
14.2	16	Convert 24 hour clock times to am or pm times	3	3
16.1	17	Substituting values into formulae	2	5
16.1	18	Simplifying expressions	2	5
16.3	19	Solving linear equations	2	6
10.4	20	Solving fraction problems in context	2	4

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

Level 4 : 33 ≤ Mark < 74	Level 5 : Mark ≥ 74
------------------------------------	-------------------------------

Chapter	Number	Question	Attainment Target	Level
21.1	1	Words to describe probabilities	4	4
21.1	2	Marking probabilities on a line	4	5
21.1	3	Probability of “not” happening	4	6
21.5	4	Estimating the outcome of an experiment	4	5
22.2	5	Calculating the volume of a cube	3	6
22.3	6	Calculating the volume of a cuboid	3	6
2.2	7	Writing numbers to 1 decimal place	2	5
2.2	8	Writing numbers in order of size	2	3
3.2	9	Plotting co-ordinates in 1 quadrant	2	4
5.5	10	Constructing a triangle	3	5
12.1	11	Basic Operations	2	3/4
12.1	12	Multiplying by 10 and 100	2	3/4/5
7.2	13	Writing the next two terms in the sequence	2	4
8.1	14	Division	2	3/4
4.2	15	Money Problems	2	4
9.2	16	Finding the area and perimeter of a rectangle	3	5
9.3	17	Converting from 1 metric unit to another	3	5
10.1	18	Finding the fraction and percentage shaded	2	3/4
10.1	19	Shading a fraction of an amount	2	4
10.3	20	Finding the fraction remaining	2	5
10.2	21	Writing the equivalent fraction	2	4
10.3	22	Finding a fraction of an amount	2	5
11.2	23	Completing a frequency table and chart	4	3/4
13.1	24	Finding the next picture in the sequence	2	5
14.1	25	Reading the time on a clock face	3	3
14.2	26	Writing times in the 24 Hour clock	3	3
14.2	27	Convert am/pm to 24 Hour clock	3	3
15.1	28	Operations with directed numbers	2	5/6
16.1	29	Substitution into a formula	2	5
16.1	30	Simplifying algebraic expressions	2	5
16.3	31	Solving equations	2	5
17.3	32	Writing a percentage in its simplest form	2	5
17.3	33	Writing Percentages as fractions	2	5
17.2	34	Finding percentages of amounts	2	5
18.2	35	Finding averages	4	5
19.2	36	Finding the length of a diagonal in a rectangle	3	4
19.2	37	Using map scales	2	5

Attainment Target	Questions	Levels
Number & Algebra 2	7,8,9,11,12,13,14,15,18,19,20,21,22,24,28,29,30,31,32,33,34,37	5,3,4,3/4,3/4/5,4,3/4,4,3/4,4,5,4,5,5,5/6,5,5,5,5,5,5,5
Shape, Space & Measure 3	5,6,10,16,17,25,26,27,36	6,6,5,5,5,3,3,3,4
Statistics 4	1,2,3,4,23,35	4,5,6,5,5