

Grade 06 Unit 01

Maths

Course Outline

- Knowing our numbers
- Whole numbers

MAT

(Monthly Achievement Tests)

Short Code: 447307

Test ID: NMM06U010



Guide Lines

1. Each set consists of:

50 | Warm-up/Foundation Questions

30 | Regular Questions

20 | Thinking Ability Questions

- The time allocation and instructions regarding the questions are printed clearly in the beginning of each question types. The answers should be written or tick marked as per the instructions given. It is suggested to use pencil initially, so as to enable you to reuse the practice papers.
- According to the new pattern of CBSE these practice papers will be very useful especially for syllabus related Quiz, Debates, Visuals related checking and Orals etc.,**
- After marking the answers, the scores of students can be checked and for marks obtained guidelines are given along with the question solving instructions. Follow those instructions and if, you are fully satisfied with your performance then check for your expected grades as per the CBSE guidelines as given on the back of each set.
- Remember that this is only a guideline not the finally worked out result. You can further improve your performance by increase your practice.
- For your convenience please follow following essential examiner's advices:
 - Answer all the questions
 - Read all the Options carefully
 - Understand and use correct scientific language in your responses.

We from  wish skillful learning for your bright future.

Before going for the test, look at least :

1. First of all go through the syllabus of the test according to the **Course Outline** provided at the front page of each MAT.
2. After going through the syllabus once or twice or even more time as per your satisfaction, first of all do the Warm-up questions. If you score A+ grade in those 50 questions go to the next level otherwise go through the chapter again.
3. The box for **Specific Information** is very useful as it adds to your concept building. Try to fill specific information in the proper way so that you will get the maximum benefit of it.
4. **Let's Chat** portion will help you to prepare for oral assessment. Through this you can increase your capacity to interact on a particular topic related to your syllabus.
5. The **Extra Diet** portion is also there to enhance your knowledge through visualization of concept. This portion provides you added knowledge on various related concepts.
6. The information related to time factor is there to enhance your time management skills.
7. From the examiners point of view it is always advised to use Pencil for initial efforts. The use of pen is fruitful only when the final effort comes.

Examiner's Tips:

- ☞ Read the question carefully. Make sure you understand exactly what is required.
- ☞ If you find that you are unable to do a part of a question, do not give up. The next part may be easier and may provide a clue to what you might have done in the part you found difficult.
- ☞ Note the number of marks per question as guide to the depth of response needed.
- ☞ Underline or note the key words that tell you what is required.
- ☞ Underline or note data as you read the question.
- ☞ Structure your answer carefully.
- ☞ Show all steps in calculations. Include equations you use and show the substitution of data. remember to work according to units given.
- ☞ Make sure that your answers contain suitable significant figures (wherever necessary) and must include units in numericals.
- ☞ Draw diagrams and graphs carefully.
- ☞ Read data from graphs carefully; note scales and prefixes on axes.
- ☞ Keep your eye on the clock but don't panic.
- ☞ If you have time at the end, use it. Check that your descriptions and explanations make sense. Consider whether there is anything you could add to an explanation or description. Repeat calculations to ensure that you have not made a mistake.

To enlighten your fundamental/basic topic knowledge.

- A+. If you score 45 or above marks, move to the next section confidently.
- A. If you score between 40 and 45 marks, it is satisfactory. Bit more knowledge will bring excellent result.
- B. If you score below 40, kindly go through the topic more seriously.

Section A (50 marks)

Time given – 50 minutes + 5 minutes for revision

Questions 1 to 50 carry 1 mark each.

Given one of them is the correct answer make your choice and write its name (a, b, c or d) in the answer box provided.

1. Which is the greatest 5 digit number
(a) 1,00,000 (b) 99,999
(c) 99,998 (d) 10000

T – 1 min
S – Knowing our numbers

Ans.

2. Which is the lowest 5 digit number
(a) 100000 (b) 10000
(c) 99999 (d) 10001

T – 1 min
S – Knowing our numbers

Ans.

3. 1 crore
(a) 100 lakhs (b) 1000 lakhs
(c) 10 lakhs (d) none of these

T – 1 min
S – Knowing our numbers

Ans.

4. 10 millimeters
(a) 1 m (b) 1 cm
(c) 10 cm (d) none of these

T – 1 min
S – Knowing our numbers

Ans.

5. 1 gm
(a) 100 mg (b) 10 mg
(c) 1000 mg (d) none of these

T – 1 min
S – Knowing our numbers

Ans.

6.	310 nearer to (a) 300 (c) 350	(b) 400 (d) 2503	T – 1 min S – Knowing our numbers
			Ans.
7.	Estimate $3280 + 5990$ (a) 10000 (c) 8000	(b) 9000 (d) 11000	T – 1 min S – Knowing our numbers
			Ans.
8.	Estimate $8943 - 325$ (a) 8700 (c) 9000	(b) 0 (d) none of these	T – 1 min S – Knowing our numbers
			Ans.
9.	$(10 + 8) \times 10$ (a) 108 (c) 180	(b) 118 (d) none of these	T – 1 min S – Knowing our numbers
			Ans.
10.	'90' in roman numbers (a) XL (c) LXXX	(b) XLIIII (d) XC	T – 1 min S – Knowing our numbers
			Ans.
11.	The successor of 19 is (a) 18 (c) 19	(b) 20 (d) none of these	T – 1 min S – Whole numbers
			Ans.
12.	Smallest whole number is (a) 1 (c) 0	(b) 2 (d) none of these	T – 1 min S – Whole numbers
			Ans.
13.	Commutative for whole number is (a) addition (c) division	(b) subtraction (d) none of these	T – 1 min S – Whole numbers
			Ans.
14.	Pattern can not be followed for (a) 2 (c) 6	(b) 4 (d) 1	T – 1 min S – Whole numbers
			Ans.

- | | |
|---|---|
| <p>15. 3×25 can be written as</p> <p>(a) $3 \times (30 + 5)$ (b) $3 \times (20 + 5)$</p> <p>(c) $3 \times (5 + 10)$ (d) none of these</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Whole numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |
| <p>16. Predecessor of 99</p> <p>(a) 97 (b) 100</p> <p>(c) 98 (d) none of these</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Whole numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |
| <p>17. Predecessor of 89</p> <p>(a) 88 (b) 89</p> <p>(c) 90 (d) none of these</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Whole numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |
| <p>18. Commutative for whole number is</p> <p>(a) division (b) subtraction</p> <p>(c) multiplication (d) none of these</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Whole numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |
| <p>19. _____ can be arranged as square.</p> <p>(a) 9 (b) 3</p> <p>(c) 6 (d) 5</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Whole numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |
| <p>20. _____ can not be arranged in a line.</p> <p>(a) 2 (b) 3</p> <p>(c) 4 (d) 1</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Whole numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |

True or False

- | | |
|--|---|
| <p>21. 99 is the greatest two digit number.</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Knowing our numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |
| <p>22. 999 is the smallest three digit number.</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Knowing our numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |
| <p>23. Greatest single digit number +1 = smallest two digit number.</p> | <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> T – 1 min
 S – Knowing our numbers </div> <div style="border: 1px solid #ccc; padding: 5px;"> Ans. </div> |

24. Smallest three digit number -1 = smallest two digit number.

T – 1 min
S – Knowing our numbers

Ans.

25. 1 lakh = 1000 thousand

T – 1 min
S – Knowing our numbers

Ans.

26. 1 thousand = 10 tens

T – 1 min
S – Knowing our numbers

Ans.

27. 1 m = 1000 cm

T – 1 min
S – Knowing our numbers

Ans.

28. 499 is nearer to 400.

T – 1 min
S – Knowing our numbers

Ans.

29. $(6 + 4) \times 10 = 100$

T – 1 min
S – Knowing our numbers

Ans.

30. XL=40

T – 1 min
S – Knowing our numbers

Ans.

31. 1,2,3,4 are natural numbers.

T – 1 min
S – Whole numbers

Ans.

32. 99 is the successor of 100.

T – 1 min
S – Whole numbers

Ans.

33. 0,1,2,3,4 are whole numbers.

T – 1 min
S – Whole numbers

Ans.

34. Zero is the smallest-natural number.

T – 1 min
S – Whole numbers

Ans.

35. Zero is the smallest whole number.

T – 1 min
S – Whole numbers

Ans.

36. All the natural numbers are whole number.

T – 1 min
S – Whole numbers

Ans.

37. All whole numbers are natural number.

T – 1 min
S – Whole numbers

Ans.

38. The natural number 1 has no predecessor.

T – 1 min
S – Whole numbers

Ans.

39. The whole number 0 has no predecessor.

T – 1 min
S – Whole numbers

Ans.

40. Addition and multiplication are commutative for whole numbers.

T – 1 min
S – Whole numbers

Ans.

Fill in the blanks

41. _____ order means arrangement from the smallest to the greatest.

T – 1 min
S – Knowing our numbers

Ans.

42. Greatest 3 digit number + 1 = _____.

T – 1 min
S – Knowing our numbers

Ans.

43. 1 km = _____.

T – 1 min
S – Knowing our numbers

Ans.

44. LXV = _____.

T – 1 min
S – Knowing our numbers

Ans.

45. L = _____.

T – 1 min
S – Knowing our numbers

Ans.

46. Subtraction is not _____ for whole numbers.

T – 1 min
S – Whole numbers

Ans.

47. Division of a whole number by 0 is _____.

T – 1 min
S – Whole numbers

Ans.

48. 3 can arranged as _____.

T – 1 min
S – Whole numbers

Ans.

49. Every _____ number has a successor.

T – 1 min
S – Whole numbers

Ans.

50. All natural numbers are _____ numbers.

T – 1 min
S – Whole numbers

Ans.

To enlighten your regular knowledge of topic. If you score more than 55 marks here, you have achieved this level brilliantly. Move to the next level of test papers.

Section B (60 marks)

Time given – 45 minutes + 5 minutes for revision

Questions 51 to 80 carry 2 marks each.

51. In _____ digit 5 is in both the ten thousands place and hundreds place.

(a) 5005

(b) 50050

(c) 55005

(d) 50505

T – 1 min

S – Whole numbers

Ans.

52. 168 cm = _____ m.

(a) 1.68 m

(b) 1680 m

(c) 16.8 m

(d) 168 m

T – 1 min

S – Whole numbers

Ans.

53. Round off 39701 to the nearest thousand.

T – 1 min

S – Whole numbers

Ans.

54. The product of 223 and 18 when divided by a number gives 669 as the answer. What is the number?

T – 1 min

S – Whole numbers

Ans.

55. $\frac{5}{9} \times 72 = \underline{\hspace{2cm}}$

T – 1 min
S – Whole numbers

Ans.

56. 5 mm = $\underline{\hspace{2cm}}$ km

T – 1 min
S – Knowing our numbers

Ans.

57. Which is the greatest 6 digit number?

T – 1 min
S – Knowing our numbers

Ans.

58. 1 million = $\underline{\hspace{2cm}}$ lakh.

T – 1 min
S – Knowing our numbers

Ans.

59-60, Round these numbers to the nearest tens

59. 28

T – 1 min
S – Knowing our numbers

Ans.

60. 42

T – 1 min
S – Knowing our numbers

Ans.

61. Estimate $3280 + 19386$

T – 1 min
S – Knowing our numbers

Ans.

62. Estimate $7890 - 3420$

T – 1 min
S – Knowing our numbers

Ans.

63. 104×108

T – 1 min
S – Knowing our numbers

Ans.

64. 18×110

T – 1 min
S – Knowing our numbers

Ans.

65-66, Write roman numerals.

65. 79

T – 1 min
S – Knowing our numbers

Ans.

66. 99

T – 2 min
S – Knowing our numbers

Ans.

67. Write the next three natural numbers after 1099.

T – 2 min
S – Knowing our numbers

Ans.

68. Write the three whole numbers occurring just before 999.

T – 2 min
S – Whole numbers

Ans.

69. Add 3 to 4 on the number line.

T – 2 min
S – Whole numbers

Ans.

70. Subtract 5 from 7 on the number line.

T – 2 min
S – Whole numbers

Ans.

71. Find $17 + 6 + 4$ in two ways.

T – 2 min
S – Whole numbers

Ans.

72. Solve 13×45 using distributivity.

T – 2 min
S – Whole numbers

Ans.

73. Which numbers can be shown as rectangles. Give any two.

T – 2 min
S – Whole numbers

Ans.

74. Which numbers can be shown as squares.

T – 2 min
S – Whole numbers

Ans.

75. 389×1001

T – 2 min
S – Whole numbers

Ans.

76. 932×25

T – 2 min
S – Whole numbers

Ans.

77. $389 + 405 + 11 + 5$

T – 2 min
S – Whole numbers

Ans.

78. $468 + 603 + 32 + 7$

T – 2 min
S – Whole numbers

Ans.

79. $325 + 60 + 25$

T – 2 min
S – Whole numbers

Ans.

80. 962×50

T – 2 min
S – Whole numbers

Ans.

To enlighten your regular knowledge of topic. If you score more than 50 marks here, you have achieved this level brilliantly. Move to the next level of test papers.

Section C (60 marks)

Time given – 45 minutes + 5 minutes for revision

81-82, Arrange the following numbers in ascending order.

81. 5387, 5943, 5601, 3894

T – 2 min
S – Knowing our numbers

Ans.

82. 1305, 2306, 3897, 573

T – 2 min
S – Knowing our numbers

Ans.

83-84, Arrange the following numbers in descending order.

83. 7891, 6732, 4513, 3123

T – 2 min
S – Knowing our numbers

Ans.

84. 6781, 3852, 3851, 2892

T – 2 min
S – Knowing our numbers

Ans.

85-86, Insert commas suitable and write the names according to Indian System of Numeration

85. 3894356

T – 2 min
S – Knowing our numbers

Ans.

86. 682574

T – 2 min
S – Knowing our numbers

Ans.

87. Population of city A was 6,89,452 in the year 2000. In the year 2010, it was found to be increased by 1,05,432. What was the population of the city 2010.

T – 2 min
S – Knowing our numbers

Ans.

88. In a country, the number of car sold in the year 2005-2006 was 2,33,454. In the year 2005-2006, the number of car sold was 3,14,555. In which year were maximum car sold?

T – 2 min
S – Knowing our numbers

Ans.

89. A jug has 2 liters cold drink. In how many glasses each of 25 ml capacity can it be filled?

T – 2 min
S – Knowing our numbers

Ans.

90. Evaluate
 $LXXX + LIX$

T – 2 min
S – Whole numbers

Ans.

Evaluate the following number line

91. Add $6 + 2$

T – 2 min
S – Whole numbers

Ans.

92. Subtract 3 from 7

T – 2 min
S – Whole numbers

Ans.

93. Multiply 2 by 3

T – 2 min
S – Whole numbers

Ans.

94. Define closure property of whole number

T – 2 min
S – Whole numbers

Ans.

95. Define distributivity of multiplication over addition.

T – 2 min
S – Whole numbers

Ans.

96. In a mess charges Rs.30 for lunch and dinner, Rs.5 for tea. How much money do Rajesh spend in 5 days on these things?

T – 3 min
S – Whole numbers

Ans.

97. A person supplies 82 packets of lunch on Monday to Saturday in a hotel. On Sunday 22 students went to their home. So the person supply lunch to remaining students. If the cost of lunch is Rs.25, how much money he get in next Monday.

T – 3 min
S – Whole numbers

Ans.

98. Define commutative under multiplication property of whole number.

T – 3 min
S – Whole numbers

Ans.

99. Define commutative under addition property of whole number.

T – 3 min
S – Whole numbers

Ans.

100. Find the product of
(a) 45×12
(b) $25 \times 4 \times 69$

T – 3 min
S – Whole numbers

Ans.

Tools at a glance

Opening Window with instructions for your potential analysis and guideline to improve your performance.

Opening Window

Let's Chat, the feature with suggestive topics for discussion so as to improve your capacity to debate on various topics.

T —
S —

Box with time break-up of questions (T) and its concept (S, i.e., subject)



Let's Chat

Brain Teasers



Brain Teasers i.e., Questions with difference to make the concepts of students crystal clear. These are the questions with higher difficulty levels to check the grip of the students over the concepts.

Extra Diet, the web link, the notation: [www._____](#) to provide additional information regarding the concept for more clarity of thoughts.



Extra Diet

CBSE GRADING PATTERN

As the new pattern includes **CCE** (Continuous and Comprehensive Evaluation) which will be run in two terms i.e., from April to September and October to March. Thus the school will conduct four **Formative** and two **Summative** Assessments.

However, the most generalised version of grades is given below:

MARKS	PERCENTAGE	GRADE	GRADE POINT	CATEGORY
91 to 100		A1	10	Exceptional
81 to 90		A2	9	Excellent
71 to 80		B1	8	Very Good
61 to 70		B2	7	Good
51 to 60		C1	6	Ordinary
41 to 50		C2	5	Average
33 to 40		D	4	Below Average
21 to 32		E1	3	Improvement Needed
Below 20		E2	Below 2	Unsatisfactory