

# *SAMPLE QUESTION PAPER*

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## NSM GURUCOOL MATHATHON 2017, LEVEL 1 WISHWIN

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Level 1: Grades 1, 2, 3



December 16, 2017

**Student Name:**

**Grade:**

Note:

- 1) Please write your name on all the sheets
- 2) Calculators are not allowed during the competition.
- 3) All units should be labelled.
- 4) All solutions should be simplified unless specified otherwise.
- 5) Please hand over your working sheet along with your answer sheets.

Student Name:

Exam duration: 1 hour

Grade:

**MATHATHON 2017 - Sample Question Paper**  
**(Level 1: Grades 1, 2, 3)**

**Section 1: Rapid Math****Directions:** Solve each problem and write the correct answer in the space provided.

1)  $74 + 28 = \underline{\hspace{2cm}}$

2)  $341 - 277 = \underline{\hspace{2cm}}$

**Section 2:** Solve the problems.

3) What is the missing number in the series below?

20, 40, 60, 80, 100,         , 1404) 0 hundreds and 8 tens and 0 ones =                                 **Section 3:** For each problem circle the correct answer.

5) Arrange these numbers in ascending order, beginning with smallest.

M= 1204, N= 4102, O= 240, P= 1202

The right sequence is

i) MNOP

ii) OPMN

iii) OMPN

iv) PMON

6) Fill in the space with the correct symbol

$86 + 89 \quad \boxed{\phantom{00}} \quad 53 + 93$

i) =

ii) &gt;

iii) &lt;

iv) +

**Section 4:** Read the problems carefully and then solve them.7) Write your answer as a whole number and remainder for the following problem:  $\frac{173}{5}$

- i) 34 and 3
- ii) 34 and 5
- iii) 33 and 1
- iv) 33 and 0

8) Which choice is  $7 \times 4$ ? Circle the right answer.

- i)  $7 + 4$
- ii)  $4 + 4 + 4 + 4$
- iii)  $4 + 7 + 4 + 7$
- iv)  $7 + 7 + 7 + 7$

9) Meg has 2 one dollar bills, 7 five dollar bills, and 3 ten dollar bills. How much money does Meg have?

- i) \$47
- ii) \$57
- iii) \$67
- iv) \$75

**Section 5:** Analytical and Critical thinking problems - Read each problem and solve it.

10) Kaya has planned her birthday party. The party is on the 12<sup>th</sup> of October at 6 p.m. 20 people are invited for the party. She has ordered 5 boxes of cakes. 2 boxes are vanilla flavor while the rest are chocolate. Each box fits 10 cakes. Last year Kaya ordered 4 boxes of cake. How many total number of cakes did Kaya order this year?

11) The spelling champion studies 100 words every day. After reading 1000 words, he takes a break for 4 days and continues studying.

(1) How many words did he study by the 7<sup>th</sup> day? (2) After how many days does he complete studying 2000 words? Make the appropriate selection.

- i) 7000 words and 21 days
- ii) 7000 words and 22 days
- iii) 700 words and 23 days
- iv) 700 words and 24 days

12) When  $\frac{6}{12}$  is simplified, what is the sum of the numerator and denominator (top and bottom)?

- i) 18
- ii) 3
- iii) 9
- iv) 7