LEEDS INTERNATIONAL SCHOOL

Panadura | Matara | Galle | Horana | Ambalangoda | Matugama | Tangalle | Negombo | Maharagama

1st Mid Term Test - 2022 / 2023

Subject : **Mathematics**   *Form* : **I**

Name : ……………………………………………… *Duration* : **1 ½ hours**

Candidate Number :

Q. No	01	02	03	04	05	06	07	08	09	10	Total
Marks	10	10	10	10	10	10	10	10	10	10	100

Answer all the questions.

1. Find the value of the following

    (a) 28 + 3 + 17 =……………   (b) 46 - 12 +3 -9 = ………………………..

    (c) 1127 – 197 =……………….....   (d) 564 × 9 = …………………………..

    (e) 18 × 47 = ………………..   *(2× 5 = 10 marks)*

2. Find the value of the following and give the remainder when necessary.

    (a) 972 ÷ 8   (b) 54 ÷ 20

    (c) 5 – 4 ÷ 2 +7 x 3   (d) 265 ÷ 100

    (e) (5 + 3) ÷ 4   *(2× 5 = 10 marks)*

3. (a) The cost of 1 pen is 8p. How many pens can you buy for 50p?   *[2]*

    (b) $\begin{array}{r} 4\ \ 0\ \ 3 \\ \times\ \ 7\ \ 2 \\ \hline \end{array}$

                                                                          [4]

    (c)   Multiply four hundred and fifty-three by twenty-six   *[4]*
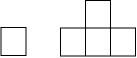
                                        (Total for Question 3 = 10 marks)

4. (a) Write down the next two numbers in the sequence

        (i) 17 , 15 , 13, 11, ….. , ……   *[2]*

        (ii) 5 , 10 , 17 , 26 , 37 , ……. ,…….   *[2]*

        (iii)

        , ………………………… , ……………………   *[2]*

(b) Fill in the boxes.

(i) $\frac{3}{7} = \frac{}{21}$ (ii) $\frac{2}{8} = \frac{200}{}$ *[4]*

(Total for Question 4 = 10 marks)

5. (a) Round each number to the nearest ten.

(i) $156 \approx$ …………………..   *[1]*

(ii) $31 \approx$ …………………..   *[1]*

(iii) $85 \approx$ ………………….   *[1]*

(b) Use the above answers and find an approximate answer for

(i) $156 + 31 - 85 =$ _____ + _____ - _____   *[2]*

= _____ - _____

= _____   *[1]*

(ii) $31 \times \boxed{} - 5 = 305$ write the suitable number in the blank.   *[4]*

(Total for Question 5 = 10 marks)

6. (a) Find the value of

(i) $2^2 \times 3^3 =$_____

(ii) $2 \times 3^2 \times 7 =$_____   *[2]*

(b) Write the following products in index form

(i) $3 \times 3 \times 3 \times 3 \times 3 \times 3 =$_____

(ii) $3 \times 11 \times 11 \ 2 \times 2 \times 3 =$_____   *[2]*

(c) Express each of the following numbers in prime factors.

(i) $24 =$_____

(ii) $216 =$ _____   *[2]*

(d) Write two prime numbers between 25 and 35   *[4]*

(Total for Question 6 = 10 marks)

7. (a) Express as a mixed number.

(i) $\frac{16}{5}$ (ii) $\frac{35}{8}$ *[4]*

(b) Express as an improper fraction

(i) $2\frac{3}{4}$ (ii) $3\frac{2}{7}$ (iii) $8\frac{1}{5}$ *[6]*

(Total for Question 7 = 10 marks)

8. (a) simplify.

(i) $\frac{36}{24}$ (ii) $\frac{21}{49}$ *[4]*

(b) Simplify

(i) $\frac{9}{27}$ (ii) $\frac{49}{77}$ *[4]*

(c) Find the equivalent fraction   *[2]*

$\frac{2}{3}$

(Total for Question 8 = 10 marks)

9. (a) Find the highest common factor of each set of numbers.

   (i)   18 , 20   (ii) 20 , 45

                                                              [4]

   (b) Find the lowest common multiple of each set of numbers.

   (i)   6, 15   (ii) 3, 10, 15   (iii) 9, 12, 21   **[6]**

                                          (Total for Question 9 = 10 marks)

10. Solve.

   (a) The price of a bag of rice is Rs. 675/-. find the price of 24 such rice bag.   **[2]**

   (b) A factory in which produce toffees 15 persons produced 21,600 toffees in a day.

       Find the number of toffees produced by a person in one day.   **[2]**

   (c) Find the remaining length of a ribbon when cut 7.15m out of 30m.   **[2]**

   (d) By using the following numbers, complete the following table

       24, 105, 33, 84, 200, 125   **[4]**

Divisible by 2	Divisible by 5	Divisible by 10

                                          (Total for Question 10 = 10 marks)

                                          TOTAL FOR PAPER = 100 MARKS

END

Prepared By   : Mrs Manori Weerasinghe
Set By   : Mrs. Manori Weerasinghe
Checked By   : Mr. Buddhika Sameera