

Class-5

Magical Math



Question Papers with Lesson Plan

Formative Assessments : I, II, III & IV**Summative Assessments : I, II & III**

Total Pages : 24

Rs. 2/-

Note : These Question Papers are meant for students, using Formative Assessment Exam papers are as complement for schools. The price of Rs. 2/- against Summative Assessment Exam papers also charged nominally towards transportation and handling charges only and to avoid misuseage / wastage.

Total : 1 Set**No. of Student : 1**

LESSON PLAN

CLASS - 5 : Magical Math

	Months	<i>Magical Math</i> Chapters
FA - I	June-July	Chapters : 1, 2
FA - II	August	Chapters : 3, 4
SA - I	September	Chapters : 1 - 5
FA - III	Oct-Nov	Chapters : 6 - 9
SA - II	December	Chapters : 1 - 11
FA - IV	Jan-Feb.	Chapters : 12 - 15
	March	Revision
SA - III	April	Chapters : 1 - 17

Syllabus :

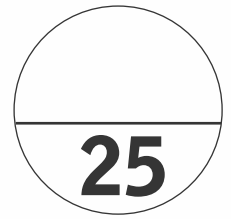
FORMATIVE ASSESSMENT-I

Text Book
1, 2 lessons

Magical Math : Class - 5

Time : 1 hour]

[Max. Marks:25]



Name :

Class :

Section :

Roll No. :

A. Write the numbers for the following number names. $2 \times 1 = 2M.$

1) Three crore thirty-three =

2) Six hundred million and five =

B. Circle the smallest number in the following group of numbers.

$2 \times 1 = 2M.$

1) 948973873, 475498022, 10923094, 80940493, 459049092

2) 100200120, 120002100, 123021100, 110001220, 111222000

C. Arrange in ascending order.

$2 \times 1 = 2M.$

1) 448866441, 448668661, 446568231, 446824371, 446832901,
449123564

Ans.

2) 20342365, 223234516, 212263893, 21313121, 21121121,
233112233

Ans.

D. Arrange in descending order.

$2 \times 1 = 2M.$

1) 748932165, 482930453, 695438921, 893461834, 759102540,
289345214

Ans.

2) 987654231, 975312468, 976301245, 902143876, 921837465,
902198237

Ans.

E. Fill in the blanks.

2 x 1 = 2M.

- 1) 1 million = lakhs 2) Greatest 9 digit number =

F. Complete the patterns.

4 x 1/2 = 2M.

- 1) $37 \times 33 = \dots\dots\dots$
 $37 \times 333 = \dots\dots\dots$
 $37 \times 3333 = \dots\dots\dots$
 $37 \times 33333 = \dots\dots\dots$

G. Study these patterns carefully and discover the pattern of numbers.

2 x 1 = 2M.

- 1) 4, 5, 6, 7, 12, 13, 14, 15, 20, 21, 22, 23,
- 2) 1, 2, 3; 2, 3, 6; 3, 4, 9;;;

H. Insert commas and write the number names according to Hindu Arabic and International place value system.

4 x 2 = 8M.

- 1) 9382918
.....
- 2) 20300001
.....
- 3) 895700909
.....
- 4) 485937389
.....

I. Fill in the blanks with <, > or =.

3 x 1 = 3M.

- 1) 90900990 909009909
- 2) 792849758 46758490
- 3) 87983790 82980758

Syllabus :

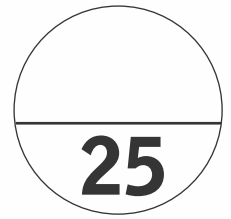
FORMATIVE ASSESSMENT-II

Text Book
3, 4 lessons

Magical Math : Class - 5

Time : 1 Hour]

[Max. Marks:25]



Name :

Class :

Section :

Roll No. :

A. Word Problems.

2 x 2 = 4M.

- 1) An apple grower has to pack 53,67,988 apples into boxes. Each box can hold 356 apples. how many boxes are required to pack all the apples ? How many apples are left after the packing ?

- 2) What will be the sum of 36782 added to itself 265 times ?

B. Simplify.

1 x 1 = 1M.

1) $18 \div 3 - 4$

C. Solve the following.

2 x 2 = 4M.

1) $52 - 112 \div (8 + 6) - 7 \times 2$

2) $117 \div (17 - 8) + 22 \times 4 - 15 + 7$ of 63

D. Subtract and check your answer with addition.

2 x 2 = 4M.

1) $873564829 - 5638301$

2) $72337923 - 488957784$

E. Rewrite in columns and add.

2 x 2 = 4M.

1) $73465873 + 522736438$

2) $584 + 39405 + 464899248 + 92 + 3478$

F. Divide and find the quotient and the remainder check the division.

2 x 2 = 4M.

1) $5840391 \div 57$

2) $954214789 \div 97$

G. write in vertical form and multiply.

2 x 2 = 4M.

1) 5678898 by 676

2) 30050458 by 78

Syllabus :

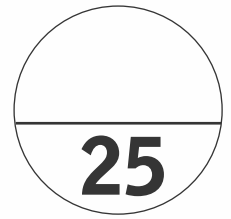
FORMATIVE ASSESSMENT-III

Text Book
6 to 9 lessons

Magical Math : Class - 5

Time : 1 Hour]

[Max. Marks:25]



Name :

Class :

Section :

Roll No. :

A. Find LCM of the following numbers.

3 x 1 = 3M.

1) 16, 24, 20

2) 72, 96, 120

3) 207, 138

B. Find the HCF by long division method

2 x 1 = 2M.

1) 120, 168

2) 84, 144

C. Arrange the following fractions in ascending order.

2 x 1 = 2M.

1) $\frac{11}{21}$, $\frac{4}{15}$, $\frac{8}{9}$, $\frac{2}{3}$, $\frac{5}{6}$

2) $\frac{1}{3}$, $\frac{4}{5}$, $\frac{1}{2}$, $\frac{3}{7}$, $\frac{2}{9}$

D. Arrange the following fractions in descending order.

2 x 1 = 2M.

1) $\frac{5}{18}$, $\frac{1}{6}$, $\frac{13}{24}$, $\frac{9}{30}$, $\frac{7}{15}$

$$2) \frac{4}{7}, \frac{2}{3}, \frac{3}{5}, \frac{1}{2}, \frac{7}{8}$$

E. Convert the following into improper fractions.

2 x 1 = 2M.

1) $1\frac{7}{13}$

2) $9\frac{6}{7}$

F. Reduce the following fractions into their lowest terms. 2 x 1 = 2M.

1) $\frac{84}{144}$

2) $\frac{22}{44}$

G. Compare the following fractions.

2 x 1 = 2M.

1) $\frac{9}{14}$ — $\frac{1}{7}$

2) $\frac{8}{6}$ — $\frac{12}{8}$

H. Word Problems.

5 x 2 = 10M.

- 1) A car travels 108 km in three hours. What is the distance covered by the car in 5 hours. If it is travelling with the same speed ?
- 2) 17 tailors can stitch 108 shirts in a day. How many tailors are required to stitch 150 shirts during the same time ?
- 3) Rahul reads 123 pages in 3 hrs. How many hours will he take to complete a book containing 287 pages ?
- 4) A labourer gets daily wage ₹ 80.85. Find the wages of 27 workers.
- 5) Sonali bought 5 purses for ₹ 105.75 and Tina bought 6 purses for ₹ 180.60. Who paid less and by how much for each purse ?



Syllabus :

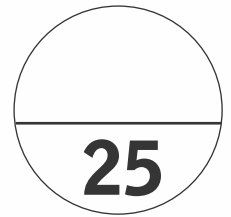
FORMATIVE ASSESSMENT-IV

Text Book
12 to 15 lessons

Magical Math : Class - 5

Time : 1 hour]

[Max. Marks:25]



Name :

Class :

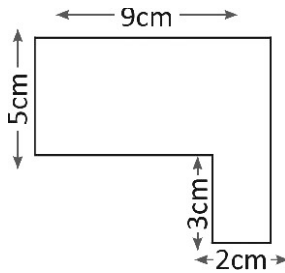
Section :

Roll No. :

A. Find the area of the following rectangles and squares. 2 x 2 = 4M.

1) Find the area of the square with side equal to 19.8m.

2) Find the perimeter and area of the following shapes.



B. Complete the table.

3 x 1 = 3M.

length	Breadth	Height	Volume
a) 11mm	5 mm	7 mm	
b) 7.2 m	2.1m	1.5 m	
c) 15 cm	11 cm	15 cm	

C. Convert the following into celsius scale.

3 x 1 = 3M.

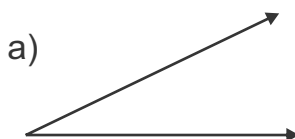
1) 113°F

2) 203°F

3) 149°F

D. Measure and identify the types of angles.

2 x 2 = 4M.



.....

.....

E. Know your units of time.

3 x 1 = 3M.

- 1) 12 Months =
- 2) 30 Minutes =
- 3) 52 = 1 year

F. Word Problems.

4 x 2 = 8M.

- 1) Ananya's school bus leaves school at 2:30pm daily. She reaches home by 3:07 pm. How much time does Ananya take to reach home?

- 2) One can buy a train ticket 60 days in advance. If Raima has to travel on 12 October, on which date should she buy her ticket ?

- 3) Find the volume of a cargo create whose length is 8.5m, breadth is 5.2m and height is 3.4m.

- 4) How many boxes with length 70cm, breadth 55 cm and height 39 cm can be stored in a room whose length, breadth and height are 8.4 m, 3.3m and 3.9m respectively ?



Syllabus :

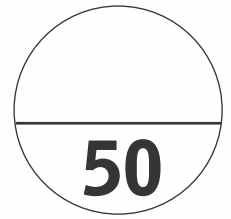
SUMMATIVE ASSESSMENT-I

Text Book
1 to 5 lessons

Magical Math : Class - 5

Time : 2 ½ hour]

[Max. Marks:50]



Name :

Class :

Section :

Roll No. :

A. Write the place value of the underlined digit in Indian place value system in the following numbers.

6 x 1 = 6M.

Number

Place Value

1. 64,39,02,864

.....

2. 38,54,90,345

.....

3) 20,10,40,405

.....

4) 92,18,49,371

.....

5) 41,57,62,098

.....

6) 54,90,23,456

.....

B. Arrange in descending order.

2 x 1 = 2M.

1) 309278361, 40937819836, 5902164729, 29852103, 1987235467, 691287353

.....

.....

2) 800800800, 880088008, 808808808, 888000888, 800080008, 8000000008

.....

.....

C. Arrange in ascending order.

2 x 1 = 2M.

- 1) 505035421, 505981234, 505073892, 505729184, 505912345,
500921765

.....
.....

- 2) 164367853, 109274620, 13985720, 149872311, 110923456,
1092353

.....
.....

D. Write the numbers for the following number names.

2 x 1 = 2M.

1. Five crore fifty-two lakh eighteen thousand three hundred and
seventy two.

2. Nine hundred sixty-six million six hundred ninety-nine thousand nine
hundred sixty-six.

E. Write in Indian and International expanded notation form using

commas.

3 x 2 = 6M.

1) 205057438 =

205057438 =

2) 76543256 =

76543256 =

3) 483567485 =

483567485 =

F. Insert commas and write the number names according to Hindu Arabic and International place value system. 3 x 2 = 6M.

1) 792003002

.....

2) 283832974

.....

3) 27524351

.....

G. Fill in the blanks with <, > or = . 3 x 1 = 3M.

1. 304007000 30400700

2. 792849758 46758490

3. 90020403 400953400

H. Circle the greatest number in the following group of numbers.

3 x 1 = 3M.

1. 20000003, 50009004, 30050048, 90000088, 98093545

2. 567007650, 607658705, 564645706, 676547575, 567575757

3. 100200120, 120002100, 123021100, 110001220, 111222000.

I. Fill in the blanks.

3 x 1 = 3M.

1) $20000000 - 9 = \dots\dots\dots + 9999991$

2) $989989 + 11111 = 100209 + \dots\dots\dots$

3) the greatest nine digit number is



J. Circle the numbers divisible by 7.**1 x 3 = 3M.**

83279

38736832

7439271

5878475

475746

9489382

7564749

6578947

K. Solve the following.**4 x 2 = 8M.**

1) $3\frac{1}{5} \div 2\frac{2}{3} \left[\left\{ \left(4\frac{2}{3} + 3\frac{2}{6} \right) \times \frac{2}{7} \right\} \times 6\frac{1}{2} \right]$

2) $(9 \text{ of } 12) + 33 \times 14 - 244 \div 16$

3) $\frac{9}{11} \div \frac{3}{11} - \frac{2}{3} \times \frac{1}{4} + \frac{4}{5}$

4) $36 + 48 \div 6 + 11 \times 3$

L. Word Problems.**3 x 2 = 6M.**

1) What number is 7589 greater than 38765421 ?

2) Rahul bought a second hand car for ₹ 5,67,985 and spent ₹ 1,95,990 on repairing and painting it. He then sold it for ₹ 8,09,565. How much money did he gain or lose.

3) The cost of motor cycle is ₹ 75,865. What will be the cost of 326 motor cycles ?



Syllabus :

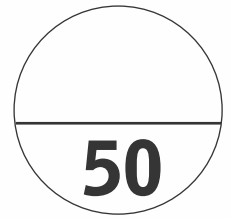
SUMMATIVE ASSESSMENT-II

Text Book
1 to 11 lessons

Magical Math : Class - 5

Time : 2 ½ hour]

[Max. Marks:50]



Name :

Class :

Section :

Roll No. :

A. Write the following as numbers and fill in the international place value table given below. 2 x 1 = 2M.

1) Two hundred seventy-five million four thousand six

.....

2) Sixty million fifty thousand thirty

B. Insert commas and write the number names according to Hindu Arabic and International place value system. 3 x 2 = 6M.

1) 895700909

.....

2) 792003002

.....

3) 485937389

.....

C. Write in Indian and International expanded notation form using commas. 2 x 2 = 4M.

1) 76543256 =

76543256 =

2) 483567485 =

483567485 =

D. Arrange in ascending order and descending order. $2 \times 2 = 4M.$

1) Ascending order :

505035421, 505981234, 505073892, 505729184, 505912345, 500921765

.....

2) Descending order : 309278361, 40937819836, 5902164729, 29852103,
1987235467, 691287353

.....

E. Find LCM of the following numbers. $2 \times 2 = 4M.$

1) 102, 170, 136

2) 72, 96, 120

F. Find the HCF by long division method. $2 \times 2 = 4M.$

1) 430, 516, 817

2) 632, 790, 869

G. Convert the following into mixed fractions. $2 \times 1 = 2M.$

1) $\frac{51}{16}$

2) $\frac{45}{11}$

H. Solve the following. $2 \times 2 = 4M.$

1) $17.2 + 13.4 - (21.2 \times 2.2) + 1.2 + 0.06$

2) $152 \div (35 - 8 + 11) + 5$ of $63 - 74$

I. Complete the patterns.

4 x ½ = 2M.

1) $9 \times 4 = \dots\dots\dots$

$9 \times 44 = \dots\dots\dots$

$9 \times 444 = \dots\dots\dots$

$9 \times 4444 = \dots\dots\dots$

J. Solve the following.

4 x 2 = 8M.

1) Add : $584 + 39405 + 464899248 + 92 + 3478$

2) Subtract : 43689456 from 175467844

3) Multiply : 30050458 by 78

4) Divide : $954214789 \div 97$

K. Word Problems.**5 x 2 = 10M.**

- 1) Raj has ₹ 982.40. He gave $\frac{1}{8}$ to his son and $\frac{1}{2}$ to his wife. How much more did Raj keep for himself ?

- 2) Rahul bought a second hand car for ₹ 5,67,985 and spent ₹ 1,95,990 on repairing and painting it. He then sold it for ₹ 8,09,565. How much money did he gain or lose in the transaction ?

- 3) A television set was bought for ₹11700. ₹300 was spent on transportation and ₹900 on repair. It was sold at a profit of 10%. Find the S.P. of television.

- 4) 18 benches are required to seat 36 children in a class. How many benches are required to seat 1356 children ?

- 5) Ameena bought 3 pizzas. She had her friends ate $\frac{3}{4}$ of the pizza that she bought. How much of the pizza is left ?



Syllabus :

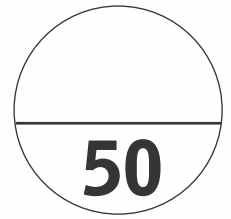
SUMMATIVE ASSESSMENT-III

Text Book
1 to 17 lessons

Magical Math : Class - 5

Time : 2 ½ hours]

[Max. Marks:50]



Name :

Class :

Section :

Roll No. :

A. Circle the smallest and greatest in the following group of numbers.

2 x 1 = 2M.

- 1) 988973873, 475498022, 10923094, 80940493, 459049092
- 2) 567007650, 607658705, 564645706, 676547575, 567575757

B. Solve the following.

5 x 1 = 5M.

- 1) 40, 56, 60 (L.C.M)
- 2) 120, 168 (H.C.F)
- 3) Find the area of the square with side equal 21.6 cm.
- 4) Find the rectangle with length equal to 6cm and breadth equal to 9cm.
- 5) Write the standard decimal form for the following.
1 million + 234 thousands + 6 hundred + 45 thousands

C. Solve the following.

5 x 2 = 10M.

- 1) **Divide** : $11895223 \div 235$
- 2) **Subtract** : 53439285 from 934748834
- 3) **Add** : $10298274 + 958349 + 878 + 309345869$
- 4) **Multiply** : 53302068 by 985
- 5) $\frac{1}{2} \div \left\{ \frac{9}{11} - \left(\frac{3}{4} \times \frac{4}{5} \right) \right\} + \frac{9}{11} \times \frac{11}{12}$

D. Fill in the blanks with <, > or =.

3 x 1 = 3M.

1) 38695678 35010834

2) 87983790 82980758

3) 507008900 507008090

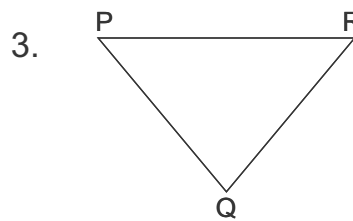
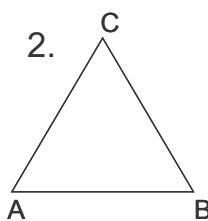
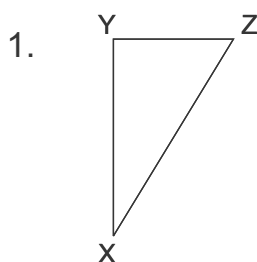
E. The following data represents the sale of cycles in a showroom in first 6 months of the year.

1 x 5 = 5M.

Month	Jan.	Feb.	March	April	May	June
No. of cycles sold	79	45	25	95	105	90

Draw the bar graph for the data given and find out the months in which the sale was minimum and maximum.

F. Classify the following triangles by sides and angles. 3 x 2 = 6M.



Name of the triangle	Vertices	Sides	Angles

G. Fill in the blanks.

$10 \times \frac{1}{2} = 5M.$

1. minutes = $\frac{1}{4}$ hours
2. 365 Days =
3. 3 balls cost ₹12. ₹48 is the cost of balls.
4. There are 80 students in 2 sections. In 6 sections there are
5. Zero divided by a fraction is equal to
6. 10 Crores = millions
7. hundred thousand = 1 lakh
8. $100 \times \dots = 87900$
9. $\times 9.381 = 938.1$
10. Minutes = $\frac{1}{4}$ Hour

H. Word Problems.

7 x 2 = 14M.

- 1) 84 books can be placed in three shelves. How many shelves of the same dimensions are required to place 588 books ?
- 2) Ajay bought an article and sold it for ₹ 3069. He spent ₹ 409 to repair it. He made a profit of ₹ 734 on the transaction. What was the cost price of the article ?
- 3) A train takes 20 hrs 30minutes to travel from Pune to Delhi. If it starts at 11:30AM on 31st August in Pune, at what time and on what day will it reach Delhi ?
- 4) Jai is an athlete and runs daily. He ran $7\frac{1}{2}$ km on Monday, $7\frac{1}{5}$ km Tuesday, $6\frac{7}{5}$ km on Wednesday and $8\frac{2}{5}$ km on Thursday. If he ran 37km for a total of five days from Monday to Friday, how many km did he run on Friday ?
- 5) A labourer gets daily wage ₹ 80.85. Find the wages of 27 workers.
- 6) What will be the sum 36782 added to itself 265 times ?
- 7) How many cartons with length 40cm, breadth 30cm and height 25cm can be packed in a container truck whose length, breadth and height are 6m, 3m and 3m respectively ?



Notes

Notes