

LESSON PLAN

Vikram Star Mathematics :: Class – 5

	Months	Star Mathematics
		Lessons
FA-I	June – July	<ol style="list-style-type: none"> 1. Large Numbers 2. Four Mathematical Operations
FA-II	August	<ol style="list-style-type: none"> 3. Factors and Multiples 4. Fractions
SA-I	September	<ol style="list-style-type: none"> 1. Large Numbers 2. Four Mathematical Operations 3. Factors and Multiples 4. Fractions 5. Decimals
FA-III	October – November	<ol style="list-style-type: none"> 6. Metric Measures and Temperature 7. Geometry
SA-II	December	<ol style="list-style-type: none"> 1. Large Numbers 2. Four Mathematical Operations 3. Factors and Multiples 4. Fractions 5. Decimals 6. Metric Measures and Temperature 7. Geometry 8. Percentages 9. Money
FA-IV	January – February	<ol style="list-style-type: none"> 10. Time 11. Area and Volume 12. Number Patterns
March		Revision
SA-III	April	<ol style="list-style-type: none"> 1. Large Numbers 2. Four Mathematical Operations 3. Factors and Multiples 4. Fractions 5. Decimals 6. Metric Measures and Temperature 7. Geometry 8. Percentages 9. Money 10. Time 11. Area and Volume 12. Number Patterns 13. Data Handling 14. Algebra

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Star Mathematics

FORMATIVE ASSESSMENT - I

Syllabus :
(1 & 2 Units)
Page No. 5 - 35

Class - 5 :: Star Mathematics

Time : 1 Hour

Max.Marks: 25

25

Name :

Class :

Section :

Roll No.

I. Write the number.

[3 x 2 = 6M]

- 1) Six thousand two hundred sixteen.
- 2) Twenty-two crore sixty thousand fourteen.
- 3) Eighteen crore twenty-three lakh fourteen thousand.

II. Fill in the blanks with the correct sign. i.e., <, > or =.

[3 x 1 = 3M]

- 1) 2703431 6629043
- 2) 4901279 4780198
- 3) 1896340 3358712

III. Write the numbers.

[3 x 2 = 6M]

- 1) 1,00,00,000 + 80,00,000 + 7,00,000 + 500 + 6
- 2) 70,00,000 + 20,000 + 9,000 + 600 + 80 + 1
- 3) 9,00,00,000 + 70,000 + 8,000 + 20 + 4

IV. Solve the following.

[3 x 2 = 6M]

- 1) 2567841 + 91476 + 341563
- 2) 28484845 + 56345 - 146785
- 3) 6785346 - 15346 - 78145

V. Solve the problems.

[2 x 2 = 4M]

- 1) A book has 347 pages. If 1128 copies of the book were printed, how many pages in all were printed ?
- 2) The sum of two numbers is 76,34,92,145. If one of them is 45,72,81,248, find the other.

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FORMATIVE ASSESSMENT - II

Syllabus :
(3 & 4 Units)

Page No. 36 - 67

Class - 5 :: Star Mathematics

Time : 1 Hour

Max.Marks: 25

25

Name :	Class :	Section :	Roll No.
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I. Find the prime factors.

[3 x 1 = 3M]

- 1) 75 2) 120 3) 36

II. Solve the problems.

[2 x 2 = 4M]

- 1) The product of two numbers is 500. Their HCF is 100. Find their LCM.
2) The product of two numbers is 9600. Their LCM is 120. Find their HCF.

III. Fill in the blanks.

[2 x 2 = 4M]

- 1) A number which is divisible by 25 is also divisible by the number _____.
2) A number which is divisible by 50 is also divisible by _____, _____, _____,
and _____.

IV. Multiply.

[4 x 2 = 8M]

- 1) $\frac{3}{5} \times 7$ 2) $\frac{7}{11} \times 10$
3) $\frac{3}{4} \times 5$ 4) $\frac{8}{9} \times 11$

V. Find the product.

[3 x 2 = 6M]

- 1) $39 \times \frac{1}{13} =$
2) $21 \times \frac{1}{7} =$
3) $225 \times \frac{1}{25} =$

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FORMATIVE ASSESSMENT - III

Syllabus :
(6 & 7 Units)
Page No. 98 - 137

Class - 5 :: Star Mathematics

Time : 1 Hour

Max.Marks: 25

25

Name :

Class :

Section :

Roll No.

I. Solve the problems.

[3 x 2 = 6M]

- 1) Anitha bought 12 kg and 350 g of wheat, 15 kg and 200 g of rice and 6 kg and 400 g of pulses from the supermarket. Find the total weight of items bought.
- 2) Two months ago, Mrs. Kanika's weight was 64 kg. Since then she has lost 3 kg and 500 g. What is her current weight ?
- 3) Divesh travelled 5 km 65 m by bicycle, 13 km 296 m by bus and 1 km 943 m on foot. What is the total distance travelled by Divesh ?

II. Convert.

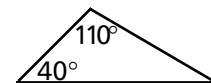
[6 x 1 = 6M]

- 1) 4 g into kg _____
- 2) 9 km 856 m into km _____
- 3) 593 mg into hg _____
- 4) 59 ml into l _____
- 5) 9 kl 37 ml into l _____
- 6) 32 cm into m _____

III. Solve the following word problems.

[3 x 2 = 6M]

- 1) Find the diameter of a circle whose circumference is 44 cm.
- 2) Calculate the size of the unmarked angle.
- 3) Find the circumference of a circle whose radius is 35 cm.



IV. Convert the temperatures given in the celsius scale to the Fahrenheit scale.

[2 x 2 = 4M]

- 1) 58° C
- 2) 30° C

V. Choose the correct option.

[3 x 1 = 3M]

- 1) A line segment whose end points lie on a circle is called. ()
a) diameter b) arc c) chord d) radius
- 2) What is the reading in a thermometer when water starts freezing ? ()
a) 32° F b) 0° F c) 212° F d) 100° C
- 3) The sum of three angles of a triangle is ()
a) 90° b) 180° c) 100° d) 360°

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FORMATIVE ASSESSMENT - IV

Syllabus :
(10 - 12 Units)
Page No. 162 - 190

Class - 5 :: Star Mathematics

Time : 1 Hour

Max.Marks: 25

25

Name :

Class :

Section :

Roll No.

I. Study the patterns given below and write the next two terms.

[3M]

$$\begin{aligned} 1) \quad 1 \times 8 + 1 &= 9 \\ 12 \times 8 + 2 &= 98 \\ 123 \times 8 + 3 &= 987 \\ 1234 \times 8 + 4 &= 9876 \\ \underline{\hspace{2cm}} & \quad \underline{\hspace{2cm}} \end{aligned}$$

II. Solve the problems.

[5 x 3 = 15M]

- 1) If the area of a rectangle is 240 sq.cm and its breadth is 8 cm, then what is its length ?
- 2) A room is 8 m long, 6 m broad and 4.5 m high, what is the volume of the room ?
- 3) Find the area of a square garden if its each side measures 13 m.
- 4) A rectangle is 4 cm long and 3.8 cm broad. What is the area of the rectangle ?
- 5) A square park has a length of 100 m. What is the perimeter of the park ? What is its area?

III. Add the following.

[3 x 1 = 3M]

- 1) 6 minutes 30 seconds and 4 minutes 30 seconds.
- 2) 7 hours 50 minutes and 10 hours 10 minutes.
- 3) 4 years 8 months and 7 years 4 months.

IV. Subtract the following.

[2 x 1 = 2M]

- 1) 19 years 7 months from 24 years.
- 2) 7 years 3 months from 10 years 2 months.

V. Choose the correct option.

[2 x 1 = 2M]

- 1) If 1st of October is Saturday then the number of Sundays in the month of October is
a) 4 b) 5 c) 3 d) 6 ()
- 2) BC means before the birth of Lord. ()
a) Krishna b) Rama c) Jesus Christ d) None of these

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SUMMATIVE ASSESSMENT - I

Syllabus :
(1 - 5 Units)

Page No. 5 - 97

Class - 5 :: Star Mathematics

Time : 2 1/2 Hours

Max.Marks: 50

50

Name :

Class :

Section :

Roll No.

I. Solve the Problems.

[6 x 3 = 18M]

- 1) The weight of four children is 23 kg, 27kg, 26 kg and 28 kg. Find their average weight ?
- 2) A factory produces 25088 nuts in 56 days. How many nuts does it produce per day ?
- 3) Find the smallest number which must be added to 9378 to make it divisible by 7.
- 4) What is the product of the largest 4-digit number and the largest 3-digit number ?
- 5) Find the smallest number which when divided by 28 and 36 leaves no remainder.
- 6) The product of two numbers is 500. Their HCF is 100. Find their LCM.

II. Solve the following division sums.

[4 x 2 = 8M]

- 1) $3715 \div 15$
- 2) $7815 \div 35$
- 3) $4291 \div 54$
- 4) $820062 \div 86$

III. Add the following.

[2 x 2 = 4M]

1)
$$\begin{array}{r} 57268 \\ 34325 \\ (+) 23836 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 40567 \\ 22418 \\ (+) 24856 \\ \hline \end{array}$$

IV. Write the expanded form of the given numbers.

[3 x 2 = 6M]

- 1) 4,69,02,702
- 2) 6,63,45,291
- 3) 9,48,83,342

V. Subtract the following.

[2 x 2 = 4M]

1) 934567

2) 956723

$(-)$ 367818

$(-)$ 247174

VI. Solve the following.

[2 x 2 = 4M]

1) $7834165 + 25614 - 431659$

2) $7815343 + 57134 + 278015$

VII. Match the Roman numerals with Hindu - Arabic numerals.

[6 x 1 = 6M]

Roman numerals		Hindu-Arabic numerals
1) CCCXI	()	a) 39
2) CMXLV	()	b) 210
3) MCL	()	c) 311
4) CCX	()	d) 1150
5) XXXIX	()	e) 495
6) CDXCV	()	f) 945

C - 17**Vikram
Star Mathematics****SUMMATIVE ASSESSMENT - II****Syllabus :
(1 - 9 Units)****Class - 5 :: Star Mathematics****Page No. 5 - 161****Time : 2 1/2 Hours****Max.Marks: 50****50****Name :****Class :****Section :****Roll No.****I. Solve the following word problems.****[6 x 3 = 18M]**

- 1) A book was bought for ₹ 50.00 and sold for ₹ 40. Find the loss percent.
- 2) Find the selling price if cost price = ₹ 150 and profit = 10%.
- 3) In a school of 500 students, 60% were boys. Find the number of girls.
- 4) Kunal had ₹ 3,45,76,000. He purchased a house for ₹ 1,76,95,000 and a car for ₹ 8,60,000. How much money was left with him ?
- 5) A book has 347 pages. If 1128 copies of the book were printed, how many pages in all were printed ?
- 6) A milkman sold 42.520 l, 23.450 l and 25.350 l of milk on three consecutive days. How much milk did he sell on these three days ?

II. Write the numbers.**[5 x 2 = 10M]**

- 1) Twenty - four hundred sixty.
- 2) Three hundred seventy million forty thousand two.
- 3) Forty thousand Thirty-Seven.
- 4) One crore five Thousand seven.
- 5) Twenty - two crore sixty thousand fourteen.

III. Choose the correct option.**[5 x 1 = 5M]**

- 1) What is MCXCVII ? ()
 - a) 1197
 - b) 2297
 - c) 1297
 - d) 1387
- 2) If 1 dozen bananas cost ₹ 36. What is the cost of 1 banana ? ()
 - a) ₹ 5
 - b) ₹ 3
 - c) ₹ 2
 - d) ₹ 4

3) The multiplicative inverse of 1 is ()

- a) zero b) 1 c) cannot be found d) less than 1

4) The prime factorisation of 42 is ()

- a) $2 \times 2 \times 3 \times 7$ b) $2 \times 2 \times 3$ c) $2 \times 3 \times 7$ d) $3 \times 3 \times 7$

5) The largest number that divides 12 and 20 without a remainder. ()

- a) 2 b) 4 c) 8 d) 16

IV. Multiply.

[5 x 2 = 10M]

1) 3726

(×) 342

2) 1631

(×) 324

3) 3619

(×) 257

4) 5485

(×) 563

5) 1325

(×) 215

V. Fill in the blanks.

[7 x 1 = 7M]

1) 75% of 75 is _____

2) Radius of a circle is _____ the length of the diameter of the circle.

3) 1 decametre = _____ centimetres.

4) A line segment whose end points lie on a circle is called a _____.

5) When we change $\frac{1}{2}$ to a percent, we get _____.

6) 3 years = _____ days.

7) The symbol used to measure temperature in degree Fahrenheit is _____.

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SUMMATIVE ASSESSMENT - III

Syllabus :
(1 - 14 Units)
Page No. 5 - 205

Class - 5 :: Star Mathematics

Time : 2 1/2 Hours

Max.Marks: 50

50

Name :	Class :	Section :	Roll No.
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I. Solve the Problems.

[6 x 3 = 18M]

- 1) Jatin scored 80% marks in Maths. The test was of 40 marks. How many marks did Jatin score ?
- 2) 1 kg of sugar was bought for ₹ 54 and sold for ₹ 52.50. Find the loss percent.
- 3) Find the area of a square whose side is 3.5 cm in length.
- 4) A fish tank is 30 cm long, 50 cm wide and 30 cm high. It has been half filled with water. What volume of the tank has not been filled ?
- 5) Mr. Arora's car can hold 56.5 litres of petrol. He filled it with 42.950 litres. How much more petrol can it hold ?
- 6) The LCM of two numbers is 96 and their HCF is 8. If one of the number is 32, find the other number.

II. Write the numbers.

[5 x 2 = 10M]

- 1) 70,000 + 8,000 + 20 + 4
- 2) 30,00,000 + 4,000 + 200 + 10 + 7
- 3) 80,00,000 + 7,00,000 + 500 + 6
- 4) 70,00,000 + 20,000 + 9,000 + 600 + 80 + 1
- 5) 4,00,000 + 20,000 + 9,000 + 100 + 10 + 7

III. Add the following.

[5 x 2 = 10M]

1) 845612

2) 823456

3) 26815

(+) 358285

(+) 256717

32252

(+) 25796

$$\begin{array}{r}
 4) \quad 51678 \\
 \quad 35945 \\
 \hline
 (+) \quad 11529 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 5) \quad 46159 \\
 \quad 23714 \\
 \hline
 (+) \quad 12235 \\
 \hline
 \end{array}$$

IV. Divide the following.

[3 x 2 = 6M]

1) $\frac{4}{5} \div \frac{1}{15}$

2) $642.59 \div 1000$

3) $4\frac{1}{4} \div \frac{1}{8}$

V. Match the Roman numerals with Hindu - Arabic numerals.

[6 x 1 = 6M]

Roman numerals

Hindu-Arabic numerals

- | | | |
|----------|-----|---------|
| 1) CCCXI | () | a) 39 |
| 2) CMXLV | () | b) 210 |
| 3) XXXIX | () | c) 495 |
| 4) MCL | () | d) 311 |
| 5) CCX | () | e) 1150 |
| 6) CDXCV | () | f) 945 |
