



C-17

Learning Express

EXPLORE MATH

Question Papers with Lesson Plan

Class -4

Formative Assessment - I

Formative Assessment - II

Formative Assessment - III

Formative Assessment - IV

Summative Assessment - I

Summative Assessment - II

Summative Assessment - III

No. of Sets : 3

No. of Students : 3

Total Pages : 68

Note :

These Question Papers are meant for students, using Learning Express Text Books and Summative Assessment Papers are also complement for schools. The price of Rs. 6/- against Formative Assessment Papers also charged nominally towards transportation and handling charges only and to avoid misuse/ wastage.



Lesson Plan

Class : 4

	Months	Explore Math
FA - I	June-July	1. Large numbers 2. Addition and Subtraction
FA - II	August	3. Multiplication 4. Division 5. Multiples and factors
SA - I	September	1. Large Numbers 2. Addition and Subtraction 3. Multiplication 4. Division 5. Multiples and factors
FA - III	October - November	6. Prime and Composite numbers 7. Fraction 8. Decimals
SA - II	December	1. Large numbers 2. Addition and Subtraction 3. Multiplication 4. Division 5. Multiples and factors 6. Prime and Composite numbers 7. Fraction 8. Decimals 9. Rounding numbers 10. Metric measures
FA - IV	January- February	11. Time 12. Geometry 13. Perimeter and area
	March	Revision
SA - III	April	1. Large numbers 2. Addition and Subtraction 3. Multiplication 4. Division 5. Multiples and factors 6. Prime and Composite numbers 7. Fraction 8. Decimals 9. Rounding numbers 10. Metric measures 11. Time 12. Geometry 13. Perimeter and area 14. Patterns 15. Money 16. Pictographs



FORMATIVE ASSESSMENT-I

25

Class : 4 Learning Express Explore Math

[Time : 1 Hour]

[Max. Marks : 25]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Units 1- 2

I. Solve the following word problems.

(2 x 2 = 4)

1. A video game Company Sold 8,650 white game Consoles and 6,989 black consoles. How many consoles have been sold altogether ?
2. Mr. Ajay purchased a flat for ₹ 23,73,412 and a car for ₹ 14,30,398. How much did he spend altogether ?

II. Using the digits 2, 9, 3, 5, 6 and 7 form at least five 6-digit numbers. Also write their number names. (2M)

III. Convert the following to Hindu - Arabic Numerals.

(2 x 1 = 2)

1. LVIII - _____
2. LII - _____

IV. Write the names for the numbers using the international place value chart.

(2 x 1 = 2)

1. 933,778 - _____
2. 328,542 - _____

V. Add the following.

(2 x 1 = 2)

$$\begin{array}{r} 1. \quad 2 \quad 3 \quad 6 \quad 2 \\ + \quad 6 \quad 7 \quad 0 \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 2 \quad 7 \quad 0 \quad 0 \\ \quad \quad 5 \quad 6 \quad 3 \\ + \quad 1 \quad 9 \quad 3 \quad 9 \\ \hline \end{array}$$

VI. Find the predecessor of the following numbers. (3x 1 = 3)

1. 23,900 - _____ 2. 8,95,080 - _____

3. 2,32,210 - _____

VII. Write the number names of the following numerals. (2x 1 = 2)

1. 50,319 - _____

2. 1,00,210 - _____

VIII. Write the following numbers in the standard form. (3x 1 = 3)

1. $2,00,000 + 30,000 + 2,000 + 300 + 4 + 1 =$ _____

2. $8,00,000 + 70,000 + 3,000 + 700 + 20 + 7 =$ _____

3. $1,00,000 + 3,000 + 300 + 30 + 3 =$ _____

IX. Fill in the blanks with the correct sign < or > to compare the numbers. (6x 1/2 = 3)

1. 1,34,500 _____ 1,67,892 4. 6,20,500 _____ 6,20,505

2. 9,00,890 _____ 9,00,980 5. 12,300 _____ 21,300

3. 23,725 _____ 21,408 6. 36,242 _____ 37,834

X. Arrange the following numbers in ascending order. (2 x 1 = 2)

1. 1,23,098 ; 2,08,789 ; 7,34,642 ; 9,20,743; 4,52,710

2. 45,900 ; 45,807 ; 44,512 ; 45,080; 44,451

★★★★



FORMATIVE ASSESSMENT-II

25



C-17

[Time : 1 Hour]

Class : 4 Learning Express Explore Math

[Max. Marks : 25]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Units 3 - 5

I. Solve the following word problems.

(4 x 2 = 8)

1. A glass factory made 5320 glasses in a week. How many glasses will it make in 52 weeks ?
2. 544 mineral water bottles are to be arranged in 17 rows. How many bottles will be there in each row ?
3. A farmer needs to plant 4,536 seeds equally in 18 rows. How many seeds should he plant in each row ?
4. A baker bakes 235 cupcakes every day. How many cupcakes will he bake in 2 years
(1 year = 365 days) ?

II. Write the first 6 multiples of the numbers below and then ring the common multiples. (2 x 1 = 2)

1. 4 and 6 _____
2. 8 and 12 _____

III. Fill in the missing factors.

(3 x 1 = 3)

1. 18 \longrightarrow 1 _____ , 6 _____ , 18
2. 80 \longrightarrow _____ , 2, _____ , _____ , 8, _____ , 16, _____ , _____ , 80
3. 30 \longrightarrow 1, 2, _____ , 5, _____ , _____ , 15, _____

IV. Find the Product.

(3 x 1 = 3)

1. $123 \times 123 =$ _____
2. $2,132 \times 143 =$ _____
3. $5137 \times 498 =$ _____



V. Find the quotient and the remainder in the following division and verify your result. (3 x 1 = 3)

1. $293 \div 14$ - _____

2. $973 \div 31$ - _____

3. $5,921 \div 23$ - _____

VI. Round the following to the nearest thousand.

(4 x 1/2 = 2)

1. 2,958 - _____

2. 19,500 - _____

3. 37,200 - _____

4. 3,791 - _____

VII. Find the highest common factor of the following by factor method.

(4 x 1 = 4)

1. 8, 12 - _____

2. 10, 16 - _____

3. 24, 18 - _____

4. 35, 25 - _____

★★★★



FORMATIVE ASSESSMENT-III

25



C-17

[Time : 1 Hour]

Class : 4 Learning Express Explore Math

[Max. Marks : 25]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Units 6 - 8 ; P.NO.S : 66 - 117

I. Solve the following word problems. (3x 2 = 6)

1. In the Indian flag green is one of the three colours. What part of the flag does green represent ?
2. Jug A has 2.17 litres of water and Jug B has 0.79 litres less water than Jug A. Find the total volume of water in the two jugs.
3. Jasmine has a ribbon that is 12.6 metres long. Sharon has a ribbon that is 3.8 metres shorter. What is the total length of the two ribbons ?

II. Convert the following decimals to fractions. (2 x 1 = 2)

1. 4.66 _____
2. 0.39 _____

III. Place the numbers below in order from smallest to greatest. (2 x 1 = 2)

1. 2.3, 3.2, 3.02, 2.03, 3.302 _____
2. 1.090, 1.009, 11.90, 10.90, 1.099 _____

IV. Add the following decimals. (2 x 1 = 2)

1.	56 . 75	2.	973 . 76
	+ 43 . 431		+ 906 . 18
	_____		_____

V. Write each fraction in words. (4 x 1/2 = 2)

1. $\frac{1}{3}$ = _____
2. $\frac{4}{5}$ = _____
3. $\frac{3}{4}$ = _____
4. $\frac{9}{5}$ = _____

VI. Find the H.C.F. of the following by prime factorisation method. (2 x 1 = 2)

1. 15, 30 = _____
2. 75, 135 = _____



VII. Convert the following improper fractions to mixed fractions.

(2 x 1 = 2)

1. $\frac{20}{7}$ = _____

2. $\frac{60}{11}$ = _____

VIII. Which is the smaller fraction in each pair of fractions.

(4 x 1/2 = 2)

1. $\frac{1}{7}$ or $\frac{2}{5}$ = _____

2. $\frac{11}{22}$ or $\frac{1}{34}$ = _____

3. $\frac{3}{4}$ or $\frac{5}{12}$ = _____

4. $\frac{3}{4}$ or $\frac{5}{12}$ = _____

IX. Subtract the following fractions.

(3 x 1 = 3)

1. $10\frac{1}{2} - 2\frac{6}{9}$ = _____

2. $16\frac{6}{8} - 1\frac{3}{4}$ = _____

3. $19\frac{9}{10} - 3\frac{7}{8}$ = _____

X. Write the following decimal numbers in words using the place value.

(2 x 1 = 2)

1. 15.42 = _____

2. 327.5 = _____

★★★★

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Units 11 - 13 ; P.NO.S : 145 - 192

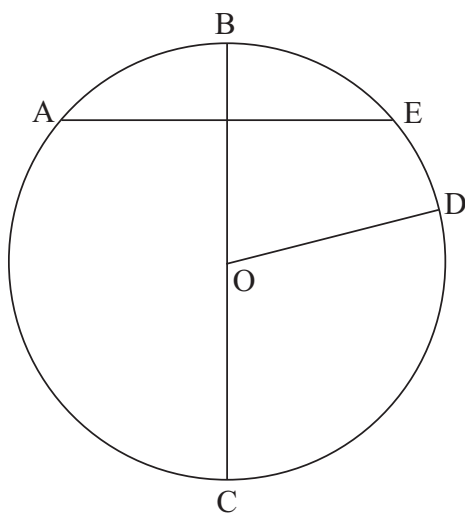
I. Solve the following word problems.

(2x 2 = 4)

1. A table cloth is 225cm long and 95cm wide. How long is the lace needed to put as an edging for the table cloth ?
2. Find the area of a Square whose side measures 30cm.

II. Answer the following.

(4 x 1 = 4)



1. What is the centre of the circle.

.....

2. Name the chord in the above diagram.

.....

3. Name the radii of the circle.

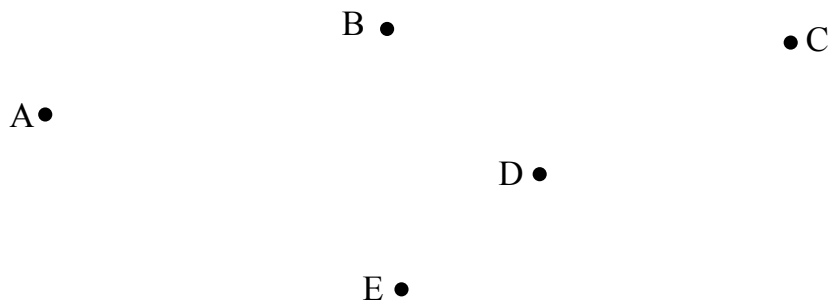
.....

4. Name the diameter of the circle.

.....

III. Given below are points A,B,C,D,E. Join them to make lines.

(2M)



IV. Read the time and write the time in hours and minutes.

(2 x 1 = 2)

1.



2.



V. Change to minutes.

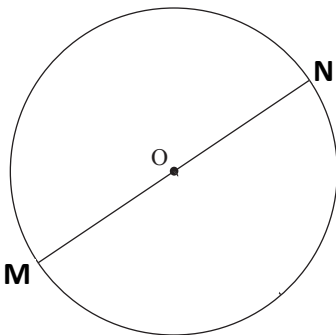
(2 x 1 = 2)

1. 2 h 34 min = _____

2. 6 h = _____

VI. Identify centre, radius and diameter of the given circles.

(2M)



Centre = _____

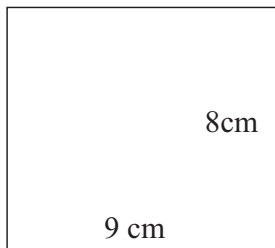
Radius = _____ or _____ or _____

Diameter = _____

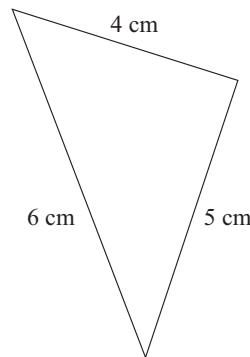
VII. Find the perimeter of each shape by adding the lengths of each side. Be sure to include the units in your answer.

(2 x 1=2)

1.



2.



VIII. Change to years and months.

(2 x 1=2)

1. 25 months - _____
2. 77 months - _____

IX. Write the following time in numbers.

(2 x 1=2)

1. Half past Six _____
2. Quarter Past seven _____

X. The times below are in a 12-hour clock format. Convert and write these times using the 24 - hour clock convention.

(6 x 1/2=3)

1. 3:00 p.m. - _____
2. 8:00 p.m. - _____
3. 1:30 p.m. - _____
4. 6:45 p.m. - _____
5. 1:15 p.m. - _____
6. 4:15 p.m. - _____

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SUMMATIVE ASSESSMENT-I

50

C-17

[Time : 2½ Hours]

Class : 4 Learning Express Explore Math

[Max. Marks : 50]

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Units 1 - 5

I. Solve the following word problems.

(4x 2 = 8)

1. Mr. Ajay purchased a flat for ₹ 23,73,412 and a car for ₹ 14,30,398. How much did he spend altogether ?
2. 2,938 sheets of paper were equally placed in 26 files. How many sheets are there in each file ?
3. A farmer needs to plant 4,536 seeds equily in 18 rows. How many seeds hould he plant in each row ?
4. A glass factory made 5320 glasses in a week. How many glasses will it make in 52 weeks ?

II. Find the product of largest 4-digit numbers and the largest 3 - digit number.

(3x1 = 3)

III. Find the quotient and the remainder in the following. Also verify your result.

(3x1 = 3)

1. $21,932 \div 18$ - _____
2. $52,626 \div 12$ - _____
3. $43,430 \div 28$ - _____

IV. Round the following numbers to the nearest hundred.

(4 x 1/2 = 2)

1. 2,715 - _____
2. 1,156 - _____
3. 129 - _____
4. 1,523 - _____

V. Write the first 5 multiples for the numbers given below.

(5M)

1.	2	2	4	6	8	10
2.	3					
3.	5					
4.	6					
5.	9					
6.	10					
7.	12					
8.	15					
9.	17					
10.	20					

VI. Write these numbers in the standard form.

(3 x 1 = 3)

- Sixty - six thousand, six hundred and sixty - six = _____
- Seventy - eight thousand, six hundred and seventeen = _____
- Twenty thousand and three hundred = _____

VII. Arrange the following numbers in columns and add.

(3 x 1 = 3)

- 39, 141 + 73, 494 + 66, 256
- 33, 327 + 55, 397 + 40,443
- 84,754 + 85, 410 + 79, 924

VIII. Find the product of the following.

(2 x 1 = 2)

- | | |
|---|---|
| <p>1. $\begin{array}{rcccc} & Th & H & T & O \\ & 4 & 1 & 7 & 3 \\ \times & & & 2 & 4 \\ \hline \end{array}$</p> | <p>2. $\begin{array}{rcccc} & Th & H & T & O \\ & 1 & 9 & 4 & 6 \\ \times & & & 3 & 8 \\ \hline \end{array}$</p> |
|---|---|

IX. Insert commas according to the Indian place value chart in the following numbers. (5 x 1 = 5)

1. 4152609 – _____

2. 5690 – _____

3. 95783 – _____

4. 209003 – _____

5. 239876 – _____

X. Arrange the following numbers in descending order. (3 x 1 = 3)

1. 10,209 ; 10,309; 15,209; 14,390; 10,403

2. 1,45,705 ; 1,32,098; 1,29,000; 1,32,189; 1,28,717

3. 67,098; 67,198; 67,243; 67,169; 67,567

XI. Fill in the missing factors. (3 x 1 = 3)

1. 18 \longrightarrow 1, _____, _____, 6, _____, 18

2. 63 \longrightarrow _____, 3, _____, _____, _____, 63

3. 80 \longrightarrow _____, 2, _____, _____, 8, _____, 16, _____, _____, 80

XII. Find the common factors of the following pair of numbers. (4 x 1 = 4)

1. 6, 12 – _____

2. 45, 40 – _____

3. 50, 45 – _____

4. 24, 12 – _____

XIII. Fill in the blanks using properties of multiplication. (4 x 1/2 = 2)

1. $75 \times 0 =$ _____

2. $475 \times 1 =$ _____

3. $283 \times 193 = 193 \times$ _____

4. $35 \times 23 =$ _____ $\times 35$

XIV. Fill in the blanks without actual addition.

(4 x 1 = 4)

1. $(23,320 + 34,675) + 12,539 = \underline{\hspace{2cm}} + (34,675 + 12,539)$

2. $23,521 + \underline{\hspace{2cm}} = 23,521.$

3. $10,000 + 27,612 = 27,612 + \underline{\hspace{2cm}}.$

4. $1,20,451 + \underline{\hspace{2cm}} = \underline{\hspace{2cm}} + 2,10,510.$

★★★★



SUMMATIVE ASSESSMENT-II

50

C-17 [Time : 2½ Hours]

Class : 4 Learning Express Explore Math

[Max. Marks : 50]

Name :

Class :

Section :

Roll No :

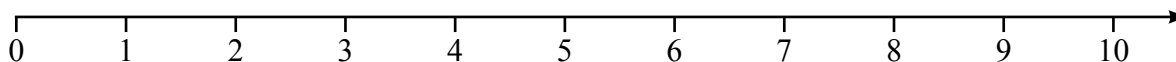
Syllabus : Learning Express Text Book : Units 1 - 10 ; P.No.S : 5 - 144

I. Solve the following word problems. (2x 2 = 4)

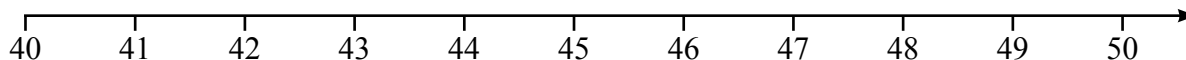
1. A Cyclist had travelled 145.8 km in the first stage of race. 136.65 km in the second stage and 162.62 km in the third. How many kilometers must the cyclist still complete if the entire race is 1000 km in length?
2. Mr. Ajay purchased a flat for ₹ 23,73,412 and a car for ₹ 14,30,398. How much did he spend altogether ?

II. Using the number line, round the following numbers to nearest ten. (3 x 1 = 3)

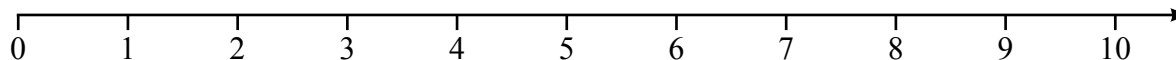
1. Is 9 nearer to 0 or 10 ? _____



2. Is 44 nearer to 40 or 50 ?



3. Is 8 nearer to 0 or 10 ?



III. Find the quotient. (3 x 1 = 3)

1. $243 \div 9$ - _____
2. $712 \div 6$ - _____
3. $973 \div 7$ - _____

IV. Fill in the blanks. (3 x 1 = 3)

1. The smallest even prime number is _____.
2. The greatest prime number between 1 and 100 is _____.
3. The smallest odd prime number is _____.

V. Fill in the blanks using properties of multiplication.

(3x1=3)

1. $2,531 \times 23 = \underline{\hspace{2cm}} \times 2,531$

2. $4,132 \times 1 = \underline{\hspace{2cm}}$

3. $173 \times \underline{\hspace{2cm}} = 0$

VI. Convert the following mixed fractions to improper fractions.

(3 x 1 = 3)

1. $3\frac{1}{8} = \underline{\hspace{2cm}}$

2. $2\frac{1}{17} = \underline{\hspace{2cm}}$

3. $8\frac{2}{5} = \underline{\hspace{2cm}}$

VII. Round the following to the nearest thousand.

(3 x 1 =3)

1. 2,958 - $\underline{\hspace{2cm}}$

2. 37,200 - $\underline{\hspace{2cm}}$

3. 21,340 - $\underline{\hspace{2cm}}$

VIII. Find the common factors of.

(3 x 1 =3)

1. 10 and 20 $\underline{\hspace{2cm}}$

2. 5 and 10 $\underline{\hspace{2cm}}$

3. 16 and 18 $\underline{\hspace{2cm}}$

IX. Write the following decimal numbers in words without the place value.

(4 x 1 =4)

1. 10.18 - $\underline{\hspace{2cm}}$

2. $7.077 -$ _____
3. $2004.02 -$ _____
4. $545.001 -$ _____

X. Write the number names of the following numerals.

(3 x 1 =3)

1. $21,783 =$ _____
2. $28,599 =$ _____
3. $1,00,210 =$ _____

XI. Add the following.

(2 x 1 =2)

1.
$$\begin{array}{r} \text{km} \quad \text{m} \\ 6 \quad 4 \\ + 7 \quad 3 \\ \hline \end{array}$$
2.
$$\begin{array}{r} \text{km} \quad \text{m} \\ 1500 \quad 500 \\ + 2000 \quad 700 \\ \hline \end{array}$$

XII. Arrange the following numbers in columns and add.

(2 x 1 =2)

1. $33,327 + 55,397 + 40,443$
2. $84,754 + 85,410 + 79,924$

XIII. Write all the factors for the numbers below and circle whether they are prime or composite numbers.

(5M)

Numbers	Factors	Prime	Composite
3	1, 3,	•	
5			
9			
11			
15			
18			
23			
33			
41			
63			
97			

XIV. Find the product.

(3 x 1 =3)

1. $\frac{1}{3}$ = _____
2. $\frac{3}{4}$ = _____
3. $\frac{4}{5}$ = _____

XV. Fill in the blanks below with a <, >, or = based on the number on the left being greater (>), smaller (<), or equal (=) to the number on the right.

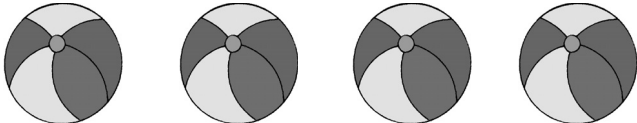
(8 x 1/2 = 4)

- | | | | |
|----------------|-------|----------------|-------|
| 1. 85.58 _____ | 58.85 | 5. 1.600 _____ | 1.6 |
| 2. 4.7 _____ | 4.07 | 6. 85.51 _____ | 83.31 |
| 3. 1.6 _____ | 6.1 | 7. 3.06 _____ | 3.60 |
| 4. 3.01 _____ | 3.09 | 8. 5.45 _____ | 5.405 |

XVI. Simplify by circling the correct number of objects.

(2 x 1 = 2)

1. $\frac{2}{8}$ of 8 triangles - 

2. $\frac{1}{2}$ of 4 balls - 

★★★★

Name :

Class :

Section :

Roll No :

Syllabus : Learning Express Text Book : Units 1 - 16 ; P.no S : 5 - 213.

I. Solve the given word problems.

(4x 2 = 8)

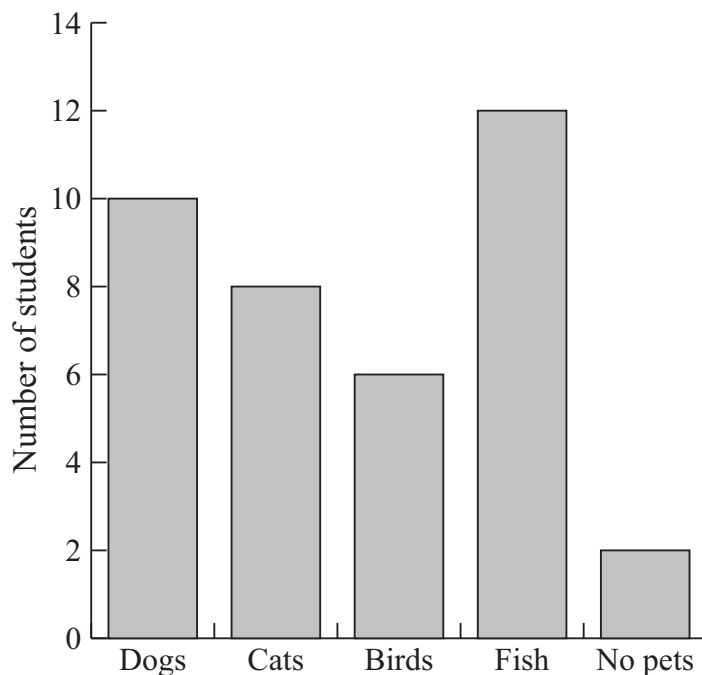
1. A shopkeeper ordered for ₹ 750 bundles of notebooks. Its each bundle of notebooks cost ₹ 297, find the total cost of the notebooks?
2. Anand purchased groceries for ₹ 2,197.50. If he paid ₹ 2, 500 to the shopkeeper, how much money should he get back from the shopkeeper ?
3. The cost of 10 box of pencils is ₹ 560. What is the cost of each box of pencil ?
4. A flower garden measures 20 m in length and 15 m in width. What is the area of the garden ?

II. The number pattern below shows how Jyoti is counting aloud by 5s. She starts as 17 and counts by 5s. 17,22,27,32,37 What will Jyoti's 9th number be ?

(2M)

III. The following graph shows the pets that belongs to students of class 4 of a school. Use the information from the graph to answer the questions.

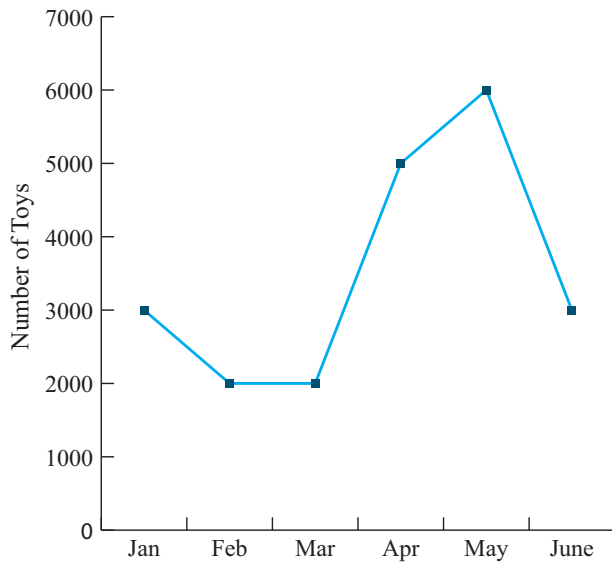
(5M)



1. How many dogs do the students have?
2. How many birds do the students have?
3. Do they have more fish or cats?
4. How many students have no pets?
5. How many students have cats?

IV. The following graph shows the number of toys made by a factory in each month. From January - June.

(5M)



1. How many toys are made in the month of February?
2. Which month shows the maximum production of toys?
3. When are the least toys made?
4. How many total toys are made from January to June?
5. What is the difference in the toys made in May and March?

V. Write the time shown by the following clocks.

(2 x 1 = 2)

1.



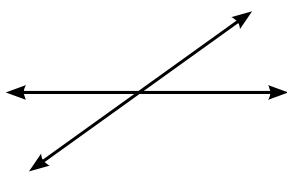
2.



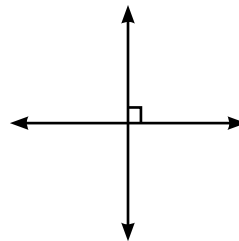
VI. Name the types of lines in the following.

(2 x 1 = 2)

1.



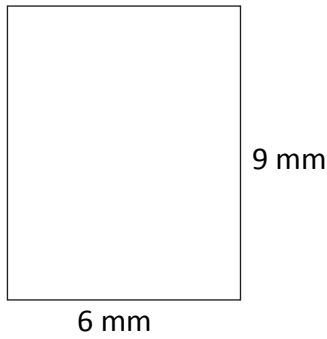
2.



VII. Calculate the areas for each of the rectangles below.

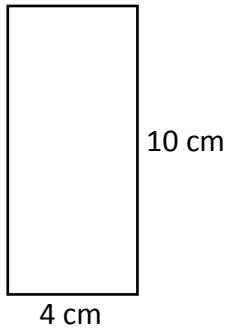
(2 x 1 = 2)

1.



area = mm²

2.



area = cm²

VIII. Find the successor of the following numbers.

(3 x 1 = 3)

1. 89,076 - _____
2. 29,009 - _____
3. 12,600 - _____

IX. Fill in the blanks without actual addition.

(3 x 1 = 3)

1. 1,20,451 + _____ = _____ + 2,10,510
2. 23,416 + 32,560 = _____ + 23,416
3. 23,521 + _____ = 23,521

X. Place the numbers below in order from smallest to greatest.

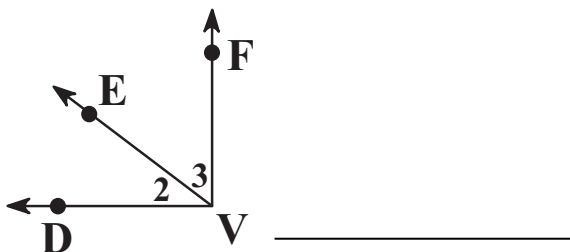
(2 x 1 = 2)

1. 1.090, 1.009, 11.90, 10.90, 1.099 _____
2. 17.509, 17.905, 8.99, 17.99, 17.099 _____

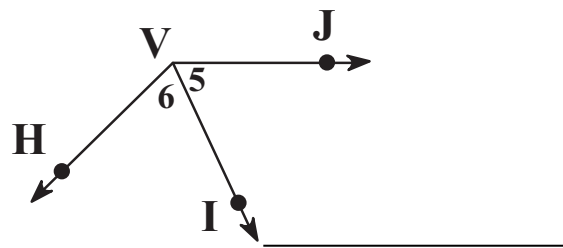
XI. Name all angles that have V as vertex.

(2 x 1 = 2)

1.



2.



XII. Convert the following mixed fractions to improper fractions.

(4 × 1 = 4)

1. $2\frac{5}{15}$ _____

2. $8\frac{2}{5}$ _____

3. $5\frac{4}{7}$ _____

4. $1\frac{1}{17}$ _____

XIII. Find the H.C.F. of the following by prime factorisation method.

(2M)

1. 24,32 - _____

2. 84,105 - _____

XIV. Find the area of square with the following sides.

(5M)

Side	Area
1. 12 cm	
2. 6 cm	
3. 3 cm	
4. 25 m	
5. 7 cm	

XV. Fill in the missing factors.

(3 × 1 = 3)

1. 63 → _____, 3 _____, _____, _____, 63

2. 18 → 1, _____, _____, 6, _____, 18

3. 30 → 1, _____, 2, _____, 5, _____, _____, 15, _____

★★★★