Carmel International School, Bosur		
SUBJECT: MATHS		Grade – VI
SA-1 Work Sheets		
	1. Large N	Numbers
	Work Sho	neet – 1
1. Write the numerals for the	he following:	
(a) ten crores, fifty lakh, ten	thousand seventy for	four.
(b) 5 millions, Two hundred	thousand seven hur	Indred fifty nine.
2. Write the number name	for the following:	
(a) 572,601,456 (b) 25,85	,96,012	
3. Match the following:		
(a) 3000 + 900 + 60 + 5	4107	
(b) 4000 + 100 + 7	3965	
(c) 9000 + 900 + 90 + 9	523	
(d) 500 + 20 + 3	9999	
4. Find the sum, difference,	product and divis	sion of the following:
$1.25544 \times 678$	2. $620 \times 250$	3. 7345689 + 25897912
4. 58945565-25647841	5. 236587	75 ÷ 107
6. An entrepreneur made a pr	ofit of Rs. 4569864	41 in the first year and
Rs. 2567894 more in the se	econd year. Find the	ne total profit made by him in
both the years.		
	1	

5. Estimate and solve	to the nearest tens:	
(i) 24 + 58	(ii) 88 – 29	(iii) 95 ÷ 9
(iv) 114 ÷ 14	(v) 4252 ÷ 247	
6. Estimate the sum t	o the nearest hundreds.	
(i) 166 + 427	(ii) 6043 + 2476	(iii) 11 × 39
7. Estimate and solve	to the nearest thousand	ls:
(i) 5786 + 2126	(ii) 7123 – 3678	(iii) 240265 ÷ 2436
	2. Natural Numbers a	and Whole Numbers
	Work St	neet - 2

Work Sheet – 2

## 1. Match the column

Closure Property	If a and b are any two whole numbers, then $a+b = b+a$ and $a \times b = b \times a$ .
Commutative property	If a and b are any two whole numbers, then a+b are also whole numbers.
Associative property	If a, b and c are any two whole numbers, then $a(b+c) = a \times b + a \times c$
Distributive property	If a, b and c are any two whole numbers, then $(a+b)+c = a+(b+c)$ and $(a\times b)\times c = a\times (b\times c)$ .

Additive Identity	If a is any whole number, then $a+0=a=0+a$ .
Multiplicative Identity	If a is any whole number, then $a \times 0 = 0 = 0 \times a$
Multiplication by zero	If a is any whole number, then $a \times 1 = a = 1 \times a$
Division by zero	If a is any whole number, then $a\div 0$ is not defined

## 2. Match the column

2. Match the column	
191+13 = 13+191	Associative Property of Multiplication.
90+0 = 90	Distributive Property of Multiplication over Addition.
(78+1)+11=78+(1+11)	Commutative Property of Multiplication
(121×4)×80 = 121×(4×80)	Distributive Property of Multiplication over Subtraction.
12×(10+85)=12×10+12×85	Associative Property of Addition
71×(11-3)=71×11-71×3	Additive Identity
10×45=45×10	Commutative Property of Addition.

### 3. Fill in the blanks

(a) \_\_\_\_  $\times$  13 = 13  $\times$  18

(b) Whole numbers are closed under \_\_\_\_\_ and \_\_\_\_\_ operation.

(c) Division by \_\_\_\_\_ is not defined.

(d) \_\_\_\_\_ is the identity for multiplication.

- (e) If \_\_\_\_\_\_ is added to a number, the sum will remain the same. Hence \_\_\_\_\_\_ is called the \_\_\_\_\_\_ in the whole numbers.
- 4. How many whole numbers are there between 12 and 86
- 5. Find the product using Distributive property
  - (a) 168×102168×102

(b) 625×279–625×79625×279–625×79**3. Integers** 

## Work Sheet – 3

1. Write all integers between a) 0 and 6,

b) -3 and 3

- 2. Using the number line , write the integer which is 6 less than 2?
- 3. Write 5 negative integers more than -7.

- 5. Represent the numbers in number line : -8, 23, 2, -17 and -63.
- 6. Find the sum of -57 and 70
- 7. Write absolute value of each of the following :

a) -300, b) -8, c) 120 d) 150

8. A car travelled 60 km to the north of Patna and then 90 km to the south

from there. How far from Patna was the car finally?

- 9. The sum of two integers is -13. If one of the numbers is 170, find the other.
- 10. Subtract : -3012 from 6250
- 11. Multiply -238 by -143

<sup>4.</sup> Add (-2056) + 679

12. Find the sum : (-3)+(-7) and using number line

13. Simplify : (-7) + 8 - (-25)

14. Find the sum of: (-9) + (+4) + (-6) + (+3)

15. If a and b are two integers such that a is the successor of b. Find the value

Of a-b.

16. The largest negative integer is\_\_\_\_\_

#### 4. Sets

#### Work Sheet - 4

I.  $P = \{1, 2, 3, 4, 5, 6, 7\}$   $Q = \{a, e, i, o, u\}$   $R = \{10, 12, 14, 16, 18\}$ 

- 1.  $3 \in \mathbb{R}$ , mark True / False. 2.  $e \in \mathbb{Q}$ , mark True / False. 3.  $14 \_$  R
- 4. 5 \_\_\_\_ R 5. 7  $\notin$  P, mark True / False.

6. Write the below mentioned set in Roster form.

The set of prime numbers less than 15.

Write the below mentioned set in Roster form.
The set of multiples of 4 less than 25.

8. Rewrite the following set in Roster form.

 $A = \{x \mid x \text{ is an even number greater than } 10 \text{ and less than } 20\}$ 

9. Write the following set in the set builder form.

 $P = \{a, e, i, o, u\}$ 

10. Write the following set in the set builder form.

A = {January, March, May, July, August, October, December}

11. Write the following set in the set builder form.

 $R = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$ 



# Adding like fractions

		-
Add like fractions	3/8 + 4/8 =	
Add fractions and mixed numbers	3/8 + 3 4/8 =	
Add mixed numbers (like denominators)	4 3/8 + 3 4/8 =	
Completing whole numbers	2 3/4 + = 5	
Adding unlike fractions		
Add unlike fractions	2/5 + 2/3 =	
Add fractions and mixed numbers	5 2/5 + 2/3 =	
Add mixed numbers	5 2/5 + 4 2/3 =	
Subtracting like fractions		
Subtract like fractions	5/7 - 3/7 =	
Subtract a fraction from a whole number	6 - 3/7 =	
Subtract a fraction from a mixed number	3 2/7 - 3/7 =	
Subtract mixed numbers (same denominators)	3 2/7 - 1 3/7 =	
Subtract mixed numbers (missing number)	3 2/7 = 1 6/7	
Subtracting unlike fractions		
Subtract unlike fractions	4/5 - 2/3 =	_
Subtract unlike fractions (harder)	17/25 - 2/3 =	
Subtract mixed numbers (unlike denominators)	16 8/9 - 5 1/8 =	

# **Fraction multiplication**

Fraction x whole numbers	6 x 1/12=	
Fraction x whole numbers (missing factors)	1/6 x =3	
Multiply fractions	2/3 x 3/5=	
Multiply fractions (harder)	7/20 x 2/9=	
Multiply fractions (missing factors)	3/4 x = 1/6	
Multiply improper fractions	5/3 x 3/2=	
Mixed numbers x fractions	2 7/8 x 1/2=	
Multiply mixed numbers	2 7/8 x 3 1/2=	
Mixed multiplication practice	1 4/5 x 10=	
Fraction division		
Divide whole numbers by a fractions	3 ÷ 1/3=	
Divide fractions by whole numbers	3/4 ÷ 3=	
Divide fractions by/into whole numbers	4 ÷ 1/2=	
Divide mixed numbers by fractions	5 3/4 ÷ 1/4=	
Fraction divided by a fraction	2/3 ÷ 1/6=	
Dividing mixed numbers by fractions	6 2/3 ÷ 1/6=	
Dividing mixed numbers	6 2/3 ÷ 1 1/6=	
Mixed division practice	2 1/3 ÷ 3=	

Adding decimals	
Add decimals	1.3 + 7.5 =
Add decimals (missing addend)	1.3 + = 8.8
Add 2-digit decimals	0.5 + 0.35 =
Add 3-digit decimals	0.52 + 0.315 =
Add 2-digit decimals (missing addend)	0.5 + = 0.85
Add 2-digit decimals (missing addend, harder)	+ 2.74 = 4.14
	32.585
Add in columns	<u>+ 90.26</u>
Subtracting decimals	
Subtract decimals	2.7 – 0.1 =
Subtract decimals (missing numbers)	6.5 = 5.5
Subtract 2-digit decimals	1.49 = 5.61
Subtract from a whole number	2 - 0.25 =
	98.8
Subtract in columns	<u>- 7.2</u>
Money notation	
	\$98.80
Add & subtract with money notation	<u>- \$ 7.20</u>

Decimals to Fractions	
Decimals to fractions (10ths / 100ths)	0.68 =
Decimals to mixed numbers	2.72 =
Fractions to Decimals	
Fractions to decimals (denominator 10 or 100)	94/100 =
Mixed numbers to decimals (varied denominators)	6 3/5 =
Fraction to decimals (using division)	4/17 =
Fractions to/from decimals (mixed practice)	4 10/16 =

- 8. Write the place value of underlingned digits of the following:
- i) 5<u>6</u>8.25<u>6</u> ii) 789<u>7</u>.01<u>7</u> (iii) 20<u>6</u>7.<u>0</u>5 iv) <u>2</u>3.6<u>3</u>
- 9. A vendor bought 12.5kg onions from the market in the morning and 8.25 kg in the afternoon. By the end of the day, he could sell 18.9 kg onions in his locality. Find the amount of onions left with the vendor.
- 10. Sheela brings 10 m cloth and uses 6.9 m out of it to stitch heer dresses.Finally, she finds that only 1.2 m cloth was left with her, find the measurement of the cloth wasted during stitching.

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