(MATHS ASSIGNMENT)
CLASS-VII
(2017-18)

CHAPTER -1 (Integers)

Q:-1. Simply 65÷(-13)+(-72)÷ (-8)

[Ans: 4]

Q:- 2.Product of two integers is -437 . If one integer is 23, find the other .

Q:- 3. A shopkeeper earns a profit of Rs. 1 by selling a pencil and a loss of 20 paisa by selling an eraser.

(i) In a given day he had a loss of Rs. 10. On this day, he sold 35 pencils. How many erasers were sold on this day.

(ii) Next day, he earn a profit of Rs. 25. On this day he sold 100 erasers. How many pencils did he sell.

[Ans: (i) 225 (ii) 45]

Q:- 4. Simplify:

(i) 5-{3-[2-(2x(-3)+1)+(3-5)]}   {Ans: 7}
(ii)7-[6-{5+(1-3+4}]   {Ans 8}

Q:- 5. Seeing the poor and under privileged children in the neighborhood, a resident of Bharat Nagar decided to distribute 1 shawl and 1 blanket during winter to every needy person. The cost of shawl is Rs. 350 and cost of a blanket is Rs. 650.

(i) find the total number of shawls and blankets distributed if there are 82 houses contributing Rs. 500 each.
iiWhat value do you learn from this situation.
(Ans: 41 shawls, 41 blankets)

Q:- 6. Using suitable property evaluate the following :-

(i) 8 x 53 x (-125)
(ii) 26 x (-48) + (-48) x (-36)
(iii) 15 x (-25) x (-4) x (-10)

(Ans:- (i) -53000 (ii) 480 (iii) -15000)

Q:- 7. Divide (- 125) by 25 and then add the quotient to the product of (- 30) and (- 3) .

Q:- 8. Given that a = (-10) , b = 7 and c = (-3) , verify that addition is commutative and associative . Also show that subtraction is neither commutative nor associative .

Q:- 9. What should be divided by (-7) to obtain 12 ?

Q:- 10 Subtract:

I(- 66) from (-34)

II318 from 0

III - 76 from 0

IV -56 from 144

V-153 from -240

CHAPTER - 2
(Fractions and Decimals)

Q:- 1. Simplify:-(a)48.19 – 7.723 +(11.03 +0.003)

(b){ (-7/12)x(-3/14)} + {(-3/5)x (-6/15)}

(c)[2/3 – ½ +1/4] -[1/3 +2/5 -4/15]

Q:- 2. A pencil cost Rs. 1.25. How many pencils can be bought for Rs. 75?

(Ans:- 60)

Q:- 3. If 12 bags of rice weigh 126 kgs, then find the weight of 3/2 bags of rice.

(Ans: 15.750 kgs.)

Q:- 4. A man travels 3/8 of his journey by train, 3/5   of it by bus and walks the rest of the distance .If he walks 2 km ,how much distance he travels by bus?

(Ans: 48 km)

Q:- 5. Write the following as decimals:

(I) 13/5   (ii) 7/9   (iii)   47/125   (iv)   133/8

Q:- 6. What number should be subtracted from 30 to get 23.709.

(Ans: 6.291)

Q:- 7. Sheetal's age is 2/3 of the age of her brother.If brother's age is 45 years, how old is Sheetal?

Q:- 8. Arrange in ascending order

7/9 , 12/5 ,1/21, 5/6

Q:-9 Kareena has Rs. 45.65.She gets Rs. 15.8 from her father.She spent Rs. 39.5 on lunch.How much balance is she left with?

Q:-10 Divide:

(a)0.64 by 0.4

(b)0.0108 by 0.012

(c) 2.13204 by 3.26

CHAPTER 3
(Data Handling)

Q:-1. Find mean and median of
    (a) First ten odd numbers
    (b) First seven multiples of 4

Q:-2. Give two examples of
    (a) Sure event
    (b) Impossible event

Q:-3. From Numbers 1,3,5,7,8,11,15 a number is to be picked up at random, what is the probability of choosing a number
    (a) less than 8
    (b) 5 or more

Ans: [(i) 4/7 (ii) 5/7)

Q:-4. Mean of 9 numbers is 14. One number 12 was excluded. Find the new mean.

[Ans: 14.25]

Q:-5. The marks (Out of 100) obtained by a group of students in science test are
    85, 76, 90, 85, 39, 48, 39, 95, 81, 75
Find

(i) Range of the marks obtained
(ii) Mean marks obtained
(iii) Mode and Median of the data

Q:- 6

Sport

	Cricket
	Basket Ball
	Swimming
	Hockey
	Athletics

Watching

	1240
	470
	510
	430
	250

Participating

	620
	320
	520
	250
	110

Draw double bar graph choosing an appropriate scale

(i) Which sport is the most popular?

(ii) Which is more preferred- watching or participating in sport?

Q7:- For each of the following data , draw Frequency table and then the Bar graph

I Ages (in years) of students of a class

II 14 ,13 ,12 , 14 ,15 ,13 ,14, 16 ,15 ,14

III 13 ,12 ,13 ,12 ,15 ,14 ,14 ,13 ,13 ,12

IV 13 ,14 , 15, 12, 12, 13, 13, 14, 15, 15 .

V Heights (in cm) of students of a class

VI 160 ,158 ,165, 159 ,160 ,160, 158 ,158 ,159 ,165

VII158 ,159, 165 ,158 ,158 ,159 ,160 ,165 ,159 ,165

VIII161 ,160 ,156 , 158 , 159 , 160 ,161 , 165 , 156 , 161 .

Summer Project

CLASS VII (MATH)

To prepare a chart/model on any one of the topics given below:

1. Mathematics in nature (symmetry, patterns etc)

2. TANGRAMS, prepare minimum five different shapes or objects using tangrams.