

(MATHS ASSIGNMENT)
CLASS-VII
(2018-19)

First term syllabus

Integers
Fraction and decimal
Data handling
Simple equation
Lines and angles
Triangle and its properties
Exponent and powers
Symmetry

Second term syllabus

Congruence of Triangle
Comparing quantities
Rational numbers
Practical geometry
Perimeter and areas
Algebraic expression
Visualizing solid shapes

CHAPTER -1 (Integers)

Q:-1. Simply $65 \div (-13) + (-72) \div (-8)$

[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 paise 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.

(ii) What value do you learn from this situation.

(Ans: 41 shawls, 41 blankets)

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

$$(i) 8 \times 53 \times (-125)$$

$$(ii) 26 \times (-48) + (-48) \times (-36)$$

$$(iii) 15 \times (-25) \times (-4) \times (-10)$$

(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)

II 318 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) $\{ (-7/12) \times (-3/14) \} + \{ (-3/5) \times (-6/15) \}$

(c) $[2/3 - 1/2 + 1/4] - [1/3 + 2/5 - 4/15]$

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

Project Work

CLASS VII (MATH)

To prepare a project file/charts/model on the topic of symmetry points to be covered.

- Line symmetry
- Rotational symmetry, order of symmetry
- Symmetry in nature, architecture, alphabets, designs and others

Or

Prepare a project file on any five mathematicians discussing

- Their Life history
- Discoveries/Inventions
- Interesting anecdotes (Short stories) from their life.

