

DAV PUBLIC SCHOOL, MTPS

Holiday Home work for Summer Vacation 2019-2020

Sub-Mathematics

Class-VII

M.M=40

Assignment-I

which of the following statements are true

1X6=6

1. The product of a positive and a negative integer is negative.
2. The product of three negative integers is a negative integer.
3. Of the two integers if one is negative then their product must be positive.
4. The product of a negative and a positive integer may be zero.
5. 1 is neither prime nor composite.
6. 0 is an integer which is neither positive nor negative

5X2=10

2. Express the rational number to the lowest form : $30/36$, $34/54$.
3. Express the rational numbers in the standard form $22/-56$.
4. which of the rational number is greater between $2/3$ and $5/15$.
5. which of the rational number is smaller between $7/19$ and $3/11$.
6. Arrange the following rational numbers in ascending order

$2/3, 5/9, 1/6, 2/9$

4X3=12

7. Represent on the number line: a) $12/7$ b) $-19/3$.
8. The sum of two numbers is $34/42$. If one of the number is $5/7$ find the other.
9. What should be added to $34/56$ so as to get $7/8$.
10. What number should be subtracted from $5/12$ to get 8.

3X4=12

11. The product of two rational number is $23/24$ if one of the number is $2/3$ find the other.

12 By what number should be multiplied $-1/6$ so that the product may be $-23/9$.

13 If 24 trousers of equal size can be prepared in 54 meters of cloth what length of cloth is required for each trouser?

DAV PUBLIC SCHOOL, MTPS

Holiday Home work for Summer Vacation 2019-2020

Sub-Mathematics

Class-VII

M.M=40

Assignment-II

1 Express $-48/60$ as a rational number with denominator 5. $1 \times 6 = 6$

2 Express the rational in lowest term $48/80$.

3 Express $-192/108$ as a rational number with numerator 32

4 Express the rational number $55/33$ in standard form

5 Express the rational number $-24/-36$ in lowest form

6 Express 0 as rational number.

$$5 \times 2 = 10$$

7 If $-5/7 = x/28$ find the value of x.

8 If the Pair $2/3$ and $5/x$ is equivalent rational number find the value of x

9 which of the rational number is greater $3/5$ or $2/3$?

10 Draw the number line and represent the rational number $7/2$ on it.

11 Fill in the blanks by correct symbol ($>$, $=$, $<$) $-3/5$ _____ $-4/7$

$$3 \times 4 = 12$$

12 Add and Express the sum as a lowest term $3/8$ and $-5/12$

13 Subtract $-3/5$ from $-5/7$

14 Draw a number line and Express the rational number $3/4 + 2/4$ on it

15 Find the value and Express as a rational number in standard form.

$$5/12 + -5/18 - 7/24$$

$$4 \times 3 = 12$$

16 What number should be added to $-5/8$ so as to get $5/9$

17 What should be subtracted from $-3/4$ so as to get $5/6$?

18 The product of two rational number is $-28/81$. If one of the number is $14/27$ Find the other.

DAV PUBLIC SCHOOL, MTPS

Holiday Home work for Summer Vacation 2019-2020

Sub-Mathematics

Class-VII

M.M=40

Assignment-III

1. Which of the following are true 1X6=6
 - a) The rational number $\frac{29}{23}$ lies to the left of zero on the number line.
 - b) The rational number $-\frac{12}{-27}$ lies to the left of zero on the number line.
 - c) The rational number $\frac{3}{4}$ lies to the right of zero on the number line.
 - d) The rational numbers $-\frac{12}{-5}$ and $-\frac{7}{17}$ are on opposite side of zero on the number line.
 - e) The rational numbers $-\frac{21}{5}$ and $\frac{7}{-31}$ are on opposite side of zero on the number line.
 - f) The rational number $-\frac{3}{5}$ is on the right of $-\frac{4}{7}$ on the number line.
2. Arrange the rational numbers in ascending orders. 5X2=10
 $\frac{3}{5}$, $-\frac{17}{-30}$, $\frac{8}{-15}$, $-\frac{7}{10}$
3. Arrange the rational numbers in descending orders.
 $-\frac{3}{10}$, $\frac{17}{-30}$, $\frac{7}{-15}$, $-\frac{11}{20}$
4. Which of the rational number is smaller: $\frac{8}{11}$ and $\frac{7}{19}$.
5. Simplify $\frac{5}{12} - \frac{5}{18} - \frac{7}{24}$
6. Find the reciprocal of
(a) $\frac{1}{8}$ (b) 1 4X3=12
7. Represent on the number line: a) $\frac{11}{7}$ b) $-\frac{12}{3}$.
8. The sum of two numbers is $\frac{32}{42}$. If one of the number is $\frac{6}{7}$ find the other.
9. What should be added to $\frac{36}{46}$ so as to get $\frac{8}{9}$.
10. What number should be subtracted from $\frac{4}{13}$ to get 5. 3X4=12
11. Insert five rational numbers between $-\frac{3}{11}$ and $\frac{8}{11}$.
12. By what number should be multiplied $-\frac{15}{28}$ so that the product may be $-\frac{5}{7}$.
13. Divide the sum of $\frac{65}{12}$ and $\frac{8}{3}$ by their difference.