

BASIC WORKSHEET-2

Grade- VII

Name of the Student: _____ Grade/Sec: _____ Branch _____

MATHS

SECTION-A

Multiple choice questions

1. Amongst the following, a proper fraction is

- a. $\frac{5}{4}$ b. $\frac{4}{5}$ c. $1\frac{1}{2}$ c. $\frac{2}{1}$

2. Amongst the following, an improper fraction is

- a. $\frac{3}{5}$ b. $\frac{7}{10}$ c. $\frac{1}{2}$ c. $\frac{4}{3}$

3. The fraction not equivalent to $\frac{1}{2}$ is

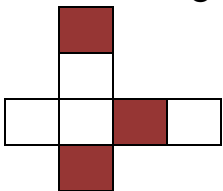
- a. $\frac{2}{3}$ b. $\frac{2}{4}$ c. $1\frac{3}{6}$ c. $\frac{4}{8}$

4. A pair of like fractions is:

- a. $\frac{1}{1}\frac{2}{4}$ b. $\frac{3}{7}\frac{4}{7}$ c. $\frac{5}{6}\frac{5}{7}$ c. $\frac{3}{2}\frac{2}{3}$

5. The shaded part in the adjoining

figure is represented by the fraction:



- a. $\frac{3}{8}$ b. $\frac{3}{7}$ c. $\frac{3}{6}$ c. $\frac{4}{7}$

6. The equivalent of $\frac{5}{500}$ in decimal is :

- a. 0.005 b. 0.05 c. 1.05 d. 5.1

7. The place value of 9 in 8.2001 is

- a. 0.209 b. $\frac{9}{100}$ c. $\frac{1}{1000}$ d. $\frac{9}{1000}$

8. The mixed number $2\frac{15}{5}$ when it converted to decimal is

- a. 2 b. 0.2 c. 2.2 d. 2.02

9. 5 cm equal to:

- a. 0.5 m b. 0.05 m c. 50 m d. $\frac{5}{1000}$ m

10. Which amongst the following decimals has the greatest value ?

- a. 3.42 b. 3.24 c. 3.034 d. 3.3999

11. Numbers which are not rational are called:

- a. natural b. whole c. integers d. irrational

12. The expression which best describes the rational number $\frac{0}{3}$ is

- a. 0 b. 1 c. 3 undefined

13. The rational number $\frac{24}{-18}$, when reduced to standard form is:

- a. $\frac{12}{-9}$ b. $\frac{4}{-3}$ c. $\frac{-4}{3}$ d. $\frac{-24}{18}$

14. The reciprocal of rational number $\frac{2}{14}$ is

- a. $\frac{1}{7}$ b. 7 c. $\frac{4}{28}$ d. none of these

15. State which of these is a rational number?

- a. π b. $\frac{5}{0}$ c. $\sqrt{2}$ d. 1.7

SECTION - B

Fill in the blanks

1. Fractions having different denominators are called _____
2. Two fractions are _____ if the product of the numerator of the first and denominator of the second is equal to the product of the denominator of the first and the numerator of the second
3. In two like fractions, the one having greater numerator _____
4. A mixed fraction can be converted into _____ fraction
5. A fraction is said to be in _____ form if its numerator and denominator are _____
6. The decimal point comes between ones place and _____ place in a decimal number.

7. The place value of digit 2 in the number 6.802 is _____
8. If a circle is divided into 100 equal parts then each part represents _____ of the whole circle.
9. The value of the decimal number _____ if any number of zeros is added after or before it.
10. 3 ones, 4 tenths, 0 hundredths and 1 thousandths in decimal form is _____
11. A rational number $\frac{p}{q}$ is said to be _____ form if p and q have no common factor in other than 1
12. There are _____ rational numbers between any two rational numbers.
13. Two fractions $\frac{a}{b}$ and $\frac{c}{d}$ are equal, if ad equals _____
14. Every positive rational number is _____ than a negative rational number.
15. The rational number $\frac{60}{210}$ when written in simplest form is _____

SECTION-C

Answer the following questions

1. What are decimal numbers?
2. What is the position of a decimal point in a decimal number?
3. What are like decimals?
4. What are unlike decimals?
5. Can decimal numbers be represented on a number line?
6. What type of fraction is $\frac{4}{19}$?
7. What is the denominator of the fraction $\frac{5}{6}$
8. How can we reduce a fraction to its lowest term?
9. What fraction is 3 hours of 12 hours?
10. What type of fraction can be converted into mixed fraction?
11. What is the multiplicative inverse of $\frac{3}{4}$
12. Which rational numbers are equal to their multiplicative inverse?
13. Multiplicative inverse of which rational number does not exist?

14. What is the additive inverse of $\frac{-1}{4}$

15. What is the sum of a rational number and its additive inverse?

SECTION - D

Test your intelligence

1

January = 717
February = 8216
March = 5315
May = 3515
June = 4624
THEN
April = ?

2

YOUR PARENTS HAVE THREE
SONS INCLUDING YOU AND
EACH SON HAS ONE SISTER.
HOW MANY PEOPLE ARE IN THE
FAMILY?

3

55				75
	50		60	
		?		
	30		40	
15				35

4

A = 2
B = 6
C = 12
D = 20
E = 30
F = 43
G = ?