BRAIN INTERNATIONAL SCHOOL

SESSION 2024-25

PERIODIC TEST-II REVISION WORKSHEET -1

Class -V **TOPIC : FRACTIONS** **SUBJECT-MATHS**

Q-1 Fill in the blanks:

a) In _____ fraction, numerator is less than denominator.
b) In Improper fraction , numerator is _____ than its denominator.
c) Fractions having different denominators are called _____ fractions.
d) Fraction with ____ as a numerator is called unit fraction.
e) Like fractions are the fractions with _____ denominator.
f) _____ is the another name of reciprocal.

Q-2 Draw a number line and represent the following fractions on it:

a) $\frac{3}{7}$ and $\frac{8}{7}$

b) $\frac{5}{9}$ *and* $\frac{11}{9}$

Q-3 Reduce the following fractions to its lowest terms:

a) $\frac{12}{30}$
b) $\frac{25}{8}$

Q-4 Convert the following into mixed fractions:

a) $\frac{20}{9}$
b) $\frac{49}{20}$

Q-5 Convert the following into improper fractions:

a) $1\frac{7}{30}$
b) $3\frac{4}{17}$

ASSERTION AND REASONING

DIRECTION : In the following questions, a statement of **Assertion (A**) is followed by a statement of **Reason (R)** . Choose the correct option.

a) Both Assertion and Reason are true and Reason is a correct explanation of Assertion.
b) Both Assertion and Reason are true and Reason is not a correct explanation of Assertion.
c) Assertion is true but Reason is false.
d) Assertion is false but Reason is true.

Q-6 **Assertion (A)**:. $\frac{2}{3}$ and $\frac{4}{6}$ are equivalent fractions.

Reason(R): Equivalent fractions are the fractions which have the different value.

Q-7 **Assertion (A)**:. $1\frac{3}{2}$ is a mixed fraction.

Reason(R): A mixed fraction is a fraction with a combination of whole number and proper fraction.

Q-8 A class has 7 periods in a day. Total time for seven periods is $5\frac{1}{4}$ hours.

a) Identify the type of fraction : $5\frac{1}{4}$

b) What will be the duration of 1 period?

Q-9 Anmol filled $\frac{3}{9}$ litres of petrol on Monday and $\frac{1}{5}$ litres of petrol on Tuesday.

a) What is the total quantity of petrol filled on both days?
b) How much more petrol filled on Monday than on Tuesday?

Q-10 Arun bought 13 pens and the cost of a pen is ₹ $5\frac{1}{13}$.

a) Convert $5\frac{1}{13}$ .into improper fraction.

b) Find the multiplicative inverse of the answer obtained in part (a).

c) Find the cost of 13 pens.

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PERIODIC TEST-II REVISION WORKSHEET -2

Class -V **TOPIC : FACTORS AND MULTIPLES** **SUBJECT-MATHS**

Q-1 Tick the correct option which is divisible by the given number:

2	a) 234	b) 567	c) 103
3	a) 6280	b) 2589	c) 1025
5	a) 2342	b) 2149	c) 5620
10	a) 3090	b) 2013	c) 3654

ASSERTION AND REASONING

DIRECTION : In the following questions, a statement of **Assertion (A**) is followed by a statement of **Reason (R)** . Choose the correct option.

d) Both Assertion and Reason are true and Reason is a correct explanation of Assertion.
e) Both Assertion and Reason are true and Reason is not a correct explanation of Assertion.
f) Assertion is true but Reason is false.
d) Assertion is false but Reason is true.

Q-2 **Assertion (A)**: 17 is a prime number.

Reason(R): A number which has only 2 factors -1 and itself is called a prime number.

Q-3 **Assertion (A)**:. 4520 is divisible by 3.

Reason(R): A number is divisible by 3 if sum of its digits is divisible by 3.

Q-4 Fill in the blanks:

a) Numbers which are not divisible by 2 are called _____ numbers.

b) 2 is the only _____ and _____ number.

c) Prime numbers are the numbers which have only 2 factors _____ and _____.

d) One number × other number = HCF × _____.

e) _____ numbers do not have any common factors between them.

Q-5 Write any 2 examples of :

a) Co-prime numbers

b) Twin Prime numbers

Q-6 Do the prime factorisation of 96 and draw its factor tree also.

Q-7 Find the HCF of 15 , 20, 25 by the following methods:

a) Finding common factors

b) Prime factorisation

c) Long division

Q-8 Find the LCM of 12,15 and 20 by the following methods:

a) Finding common multiples

b) Prime factorisation

c) Long division

Q-9 Rohan wants to distribute refreshments on a school trip. She has 24 cakes , 16 sandwiches , 32 chocolates. He wants to distribute the food items among her classmates equally in packets.

Based on the given information , answer the following questions:

a) Check whether 24 and 16 are co-prime numbers .

b) Write any 2 multiples of the number of sandwiches he has.

c) What is the maximum number of packets he can make?