Wada Nirmiti Education Society's

GURUKUL GLOBAL SCHOOL

WORKSHEET

LESSON: 7

SUB: Maths **Fractions** **STD:VI**

NAME: _____ **ROLL No:** _____ **DATE:**

Time Allowed: 3 hours **Maximum Marks: 80**

1. The mixed fraction $5\frac{4}{7}$ can be expressed as **[1]**

   a) $\frac{39}{7}$ b) $\frac{33}{7}$

   c) $\frac{33}{4}$ d) $\frac{39}{4}$

2. If $\frac{5}{7} = \frac{x}{35} = \frac{y}{49}$, then the values of x and y are respectively: **[1]**

   a) 25 and 35 b) 35 and 25

   c) 35 and 15 d) 15 and 35

3. The simplest form of $\frac{48}{60}$ is _____. **[1]**

   a) $\frac{2}{5}$ b) $\frac{4}{5}$

   c) $\frac{1}{5}$ d) $\frac{3}{5}$

4. Which of the given fractions is the smallest? **[1]**

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

   c) $\frac{5}{8}$ d) $\frac{9}{8}$

5. Fill in the boxes with the correct symbol: $\frac{5}{8}$ ___ $\frac{7}{8}$. **[1]**

   a) > b) =

   c) $\neq$ d) <

6. The decimal 0.238 is equal to the fraction **[1]**

   a) $\frac{119}{25}$ b) $\frac{238}{25}$

   c) $\frac{119}{50}$ d) $\frac{119}{500}$

7. Simplify: $6 + \frac{1}{2+\frac{1}{2}}$ **[1]**

   a) $\frac{21}{5}$ b) $\frac{17}{5}$

   c) $\frac{16}{5}$ d) $\frac{32}{5}$

8. What fraction of an hour is 45 minutes? **[1]**

   a) $\frac{1}{5}$ b) $\frac{3}{4}$

   c) $\frac{1}{4}$ d) $\frac{1}{2}$

9. Sum of $\frac{4}{17}$ and $\frac{15}{17}$ is **[1]**

   a) $\frac{11}{17}$ b) $\frac{19}{34}$

   c) $\frac{19}{17}$ d) $\frac{2}{17}$

10. Read the word given below and answer the given questions. **[1]**

    RACHITA

A. What fraction of letters are vowels?

B. What fraction of letters are consonants?

a) $A-\frac{3}{7}, B-\frac{4}{7}$ b) $A-\frac{3}{7}, B-\frac{5}{7}$

c) $A-\frac{2}{7}, B-\frac{5}{7}$ d) $A-\frac{4}{7}, B-\frac{3}{7}$

11. Which one of the following numbers should come in place of [?]? [1]

$\frac{3}{8}+\frac{6}{8}+\frac{?}{8}=1\frac{7}{8}$

a) 7 b) 4

c) 5 d) 6

12. In Sudhir's flower garden, $\frac{4}{10}$ are red roses, $\frac{2}{10}$ are pink roses and rest are white roses. What fraction of the roses are white? [1]

a) $\frac{2}{5}$ b) $\frac{3}{5}$

c) $\frac{4}{5}$ d) $\frac{1}{5}$

13. Fractions with not same denominators are called _____. [1]

a) improper fractions b) unlike fraction

c) mixed fractions d) like fractions

14. Which one of the following is the decimal form of $\frac{12}{5}$? [1]

a) 2.4 b) 1.4

c) 0.24 d) 2.04

15. Write the natural numbers from 102 to 113. What is the fraction of prime numbers between them? [1]

a) $\frac{1}{12}$ b) $\frac{5}{12}$

c) None of these d) $\frac{7}{12}$

16. The simplest form of $\frac{15}{75}$ is _____. [1]

a) $\frac{1}{2}$ b) $\frac{1}{5}$

c) $\frac{2}{9}$ d) $\frac{1}{6}$

17. $\frac{2}{5}$ ___ $\frac{2}{9}$. [1]

a) > b) =

c) $\neq$ d) <

18. Which one of the following is an improper fraction? [1]

a) $\frac{2}{3}$ b) $\frac{7}{6}$

c) $\frac{4}{5}$ d) $\frac{11}{20}$

19. Find the equivalent fraction of $\frac{3}{5}$ having numerator 9. [1]

a) $\frac{1}{4}$ b) $\frac{7}{15}$

c) $\frac{5}{15}$ d) $\frac{9}{15}$

20. $\frac{11}{7}$ can be expressed in the form [1]

a) $7\frac{1}{4}$ b) $1\frac{4}{7}$

c) $11\frac{1}{7}$ d) $4\frac{1}{7}$

21. Three equivalent fractions of $\frac{3}{5}$ are- [1]

a) $\frac{6}{10}, \frac{9}{15}, \frac{12}{20}$ b) $\frac{6}{10}, \frac{12}{5}, \frac{3}{15}$

c) $\frac{3}{10}, \frac{3}{15}, \frac{3}{20}$ d) $\frac{9}{5}, \frac{12}{5}, \frac{15}{5}$

22. An improper fraction can be written as a combination of a whole and apart, and such fraction then called _____ fractions. [1]

a) like b) improper

c) mixed d) proper

23. Kavita had $\frac{2}{3}$ L of milk. She used $\frac{1}{4}$ L to make a cup of tea. How much milk is she left with? [1]

a) $\frac{7}{12}$ L b) $\frac{9}{12}$ L

c) $\frac{1}{6}$ L d) $\frac{5}{12}$ L

24. Neema bought a notebook for ₹ $8\frac{3}{4}$ and a pen for ₹ $10\frac{2}{5}$. How much money should she pay to the shopkeeper? [1]

a) ₹ $17\frac{3}{20}$ b) ₹ $15\frac{1}{4}$

c) ₹ $19\frac{3}{20}$ d) ₹ $18\frac{4}{12}$

25. If 63.9805 = 6A + $\frac{3}{B}$ + 9C + $\frac{8}{D}$ + 5E, then what is the value of 4A + 7B + 6C + D + 3E? [1]

a) 4.7603 b) 147.6003

c) 47.603 d) 47.6003

26. Fill in the boxes with the correct symbol: $\frac{3}{4}$ ___ $\frac{2}{4}$. [1]

a) ≠ b) <

c) = d) >

27. A fraction equivalent to $\frac{3}{5}$ is _____. [1]

a) $\frac{3+2}{5+2}$ b) $\frac{3\times2}{5\times2}$

c) $\frac{3:2}{5:2}$ d) $\frac{3-2}{5-2}$

28. Fill in the missing fraction: [ ] $-\frac{3}{6} = \frac{3}{6}$ [1]

a) $\frac{6}{6}$ b) $\frac{2}{6}$

c) Both 1 and $\frac{6}{6}$ d) 1

29. Which of the given is a smaller fraction? [1]

a) $\frac{7}{8}$ b) $\frac{5}{8}$

c) $\frac{1}{8}$ d) $\frac{3}{8}$

30. Express as an improper fraction $3\frac{2}{7}$. [1]

a) $\frac{21}{7}$ b) $\frac{23}{7}$

c) $\frac{7}{23}$ d) $\frac{21}{2}$

31. Change the following mixed fraction to improper fraction: [1]

$2\frac{1}{5}$

32. Fill in the blank: $\frac{17}{9} + \frac{41}{9}$ = _____. [1]

33. [1]

1 UNIT									
				$\frac{1}{2}$					$\frac{2}{2}$
			$\frac{1}{3}$			$\frac{2}{3}$			$\frac{3}{3}$
		$\frac{1}{4}$			$\frac{2}{4}$			$\frac{3}{4}$	$\frac{4}{4}$
	$\frac{1}{5}$			$\frac{2}{5}$			$\frac{3}{5}$	$\frac{4}{5}$	$\frac{5}{5}$
$\frac{1}{6}$			$\frac{2}{6}$			$\frac{3}{6}$	$\frac{4}{6}$	$\frac{5}{6}$	$\frac{6}{6}$
$\frac{1}{7}$		$\frac{2}{7}$		$\frac{3}{7}$	$\frac{4}{7}$	$\frac{5}{7}$	$\frac{6}{7}$		$\frac{1}{7}$
$\frac{1}{8}$		$\frac{2}{8}$		$\frac{3}{8}$	$\frac{4}{8}$	$\frac{5}{8}$	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$
$\frac{1}{9}$	$\frac{2}{9}$		$\frac{3}{9}$	$\frac{4}{9}$	$\frac{5}{9}$	$\frac{6}{9}$	$\frac{7}{9}$	$\frac{8}{9}$	$\frac{9}{9}$
$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$

Write two equivalent fractions for $\frac{2}{6}$.

34. Colour the part according to the given fraction $\frac{3}{4}$: [1]



35. Express the mixed fraction as improper fraction: $5\frac{3}{7}$ [1]

36. Reduce the given fraction to their lowest term: $\frac{40}{120}$ [1]

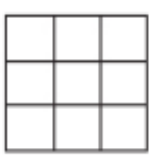
37. [1]

1 UNIT									
				$\frac{1}{2}$					$\frac{2}{2}$
			$\frac{1}{3}$			$\frac{2}{3}$			$\frac{3}{3}$
		$\frac{1}{4}$			$\frac{2}{4}$			$\frac{3}{4}$	$\frac{4}{4}$
	$\frac{1}{5}$			$\frac{2}{5}$			$\frac{3}{5}$	$\frac{4}{5}$	$\frac{5}{5}$
$\frac{1}{6}$			$\frac{2}{6}$			$\frac{3}{6}$	$\frac{4}{6}$	$\frac{5}{6}$	$\frac{6}{6}$
$\frac{1}{7}$		$\frac{2}{7}$		$\frac{3}{7}$	$\frac{4}{7}$	$\frac{5}{7}$	$\frac{6}{7}$		$\frac{1}{7}$
$\frac{1}{8}$		$\frac{2}{8}$		$\frac{3}{8}$	$\frac{4}{8}$	$\frac{5}{8}$	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$
$\frac{1}{9}$	$\frac{2}{9}$		$\frac{3}{9}$	$\frac{4}{9}$	$\frac{5}{9}$	$\frac{6}{9}$	$\frac{7}{9}$	$\frac{8}{9}$	$\frac{9}{9}$
$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$

Are $\frac{3}{6}, \frac{4}{8}, \frac{5}{10}$ equivalent fractions? Why?

38. Fill in the blank: The fraction $\frac{6}{15}$ in simplest form is _____. [1]

39. Colour the part according to the given fraction $\frac{4}{9}$: [1]



40. State whether it forms like fraction or unlike fraction: $\frac{5}{8}$ and $\frac{7}{8}$ [1]

41. Kanchan dyes dresses, she had to dye 30 dresses. She has so far finished 20 dresses. What fraction of dresses has she finished? [2]

42. Arya, Abhimanyu, and Vivek shared lunch. Arya has brought two sandwiches, one made of vegetables and one [2]

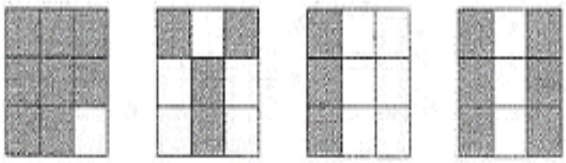
of jam. The other two boys forgot to bring their lunch. Arya agreed to share his sandwiches so that each person will have an equal share of each sandwich.

How can Arya divide his sandwiches so that each person has an equal share?

43. Which fraction is greater? [2]

$\frac{5}{9}$ or $\frac{3}{4}$

44. Write shaded portion as fraction. Arrange the following figure in ascending and descending order correct sign '<', '=', '>' between the fractions: [2]



45. Write the fraction. [2]



46. Arya, Abhimanyu, and Vivek shared lunch. Arya has brought two sandwiches, one made of vegetables and one of jam. The other two boys forgot to bring their lunch. Arya agreed to share his sandwiches so that each person will have an equal share of each sandwich. [2]

What part of a sandwich will each boy receive?

47. The fish caught by Neetu was of weight $3\frac{3}{4}$ kg and the fish caught by Narendra was of weight $2\frac{1}{2}$ kg. How much more did Neetu's fish weigh than that of Narendra? [3]

48. Arrange in descending order [3]

$2, \frac{13}{6}, \frac{8}{3}, \frac{1}{3}$

49. Add the following fractions: [3]

$1\frac{3}{4}$ and $\frac{3}{8}$

50. From the following fractions, separate [3]

i. proper fractions and

ii. improper fractions

$\frac{2}{9}, \frac{4}{3}, \frac{7}{15}, \frac{11}{20}, \frac{20}{11}, \frac{18}{23}, \frac{27}{35}$.

51. Solve : $\frac{4}{5} + \frac{2}{3}$ [3]

52. Simplify: $1\frac{3}{4} + 2\frac{5}{7} - 1\frac{3}{14}$ [3]

53. What should be added to $\left(\frac{1}{2} + \frac{1}{3} + \frac{1}{5}\right)$ to get 3? [5]

54. Write the fractions and pair up the equivalent fractions from row. [5]

