AnandNiketan
Maninagar Campus

Grade : V	Subject : Mathematics	Date :16-09-2019
Name :	EMPOWER – 1 Practice Worksheet	Chapter No. :Term – I:-5,6,7 Term – II:-1,2,3

Syllabus (Term- I) Ch:5 Factors and Multiples Ch:6 Fractions Ch:7 Decimals (Term- II) Ch:1 Perimeter, Area and Volume Ch:2 Percentage Ch:3 Average	Date : 16-09-2019 Written Test (50 marks)	Notebook submission 10 marks Subject Enrichment Activity Math Buddy 10 marks Mental Math 05 marks Math Lab 05 marks

Q-1. Fill in the blanks :-

1.Average $=$ $\frac{\text{\_\_\_\_\_}}{\text{Number of values}}$ **2.** $\frac{35}{40} = \frac{35\div}{40\div5} = \frac{7}{8}$

3. In $\frac{5}{9}$, 5 is the _____ and 9 is the _____.

4. 60,01,129 – 32,17,324 = _____

5. Equivalent fractions have the _____ value.

6. The lowest term of an improper fraction is expressed as a _____ fraction.

7. HCF of 25 and 10 is _____.

Q-2. Compare the numbers using <,> or = :-

1. $\frac{7}{11}$ _____ $\frac{9}{11}$ **2.** $\frac{5}{9}$ _____ $\frac{5}{7}$

3. 35.7_____ 53.9 **4.** 9.999_____ 9.009

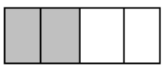
Q-3.Find the HCF of the following numbers by Prime Factorization method :-

(A) 25, 40 **(B)** 24, 45, 57 **(C)** 144, 180, 192

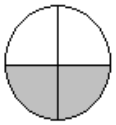
Q-4. Find the LCM of the following numbers by Prime Factorization method :-

(A) 24, 36 **(B)** 42, 18, 24 **(C)** 12, 18, 24, 36

Q-5. Write the fractions for the shaded parts :-



_____ **A**



_____ **B**

Q-6.Arrange the following :-

1. $1\frac{1}{3}$, $1\frac{2}{5}$, $1\frac{5}{6}$, $1\frac{7}{10}$ in ascending order **2.** $2\frac{2}{3}$, $2\frac{2}{7}$, $2\frac{1}{14}$, $2\frac{1}{6}$ in descending order

Q-7. Find the reciprocal of each of the following fractions :-

1. $\frac{2}{5}$ **2.** $\frac{11}{3}$ **3.** $2\frac{1}{7}$ **4.** $6\frac{2}{3}$

Q-8. Convert the following decimals into fractions in the lowest terms :-

1. 0.35 **2.** 0.375 **3.** 5.625

Q -9. Convert the following :-

1. $4\frac{1}{7}$ into improper fraction. **2.** $\frac{78}{9}$ into mixed fraction

Q-10. Read and write the following decimals :-

1. 7.6 **2.** 21.45 **3.** 7.358

Q-11.Write the following decimals in expanded form :-

1. 5.72 **2.** 28.81

Q-12. Convert the following fractions into decimals :-

1. $\frac{7}{20}$ **2.** $15\frac{1}{5}$ **3.** $\frac{8007}{1000}$

Q-13. Express each of the following fractions as a percentage :-

1. $1\frac{5}{6}$ **2.** $\frac{9}{20}$ **3.** $\frac{37}{10}$

Q-14. Express each of the following decimals as a percentage :-

1. 0.05 **2.** 32.2 **3.** 213.5

Q-15. Convert the following percentages into fractions in the lowest form :-

1. 35 % **2.** 125 % **3.** $33\frac{1}{3}$%

Q-16. Convert the following percentages into decimals :-

1. 10 % **2.** 150 % **3.** 30.5 %

Q-17.Find Average of the given numbers :-

1. 6, 11, 13, 9, 15 **2.** 50, 100, 150, 200, 250

Q-18. Find the HCF by Long Division Method :-

1. 72, 192 **2.** 264, 840, 384

Q-19. Find the LCM by Common Division Method :-

1. 30, 75 **2.** 175, 168, 350

Q-20. Reduce the following fraction to its lowest term :-

1. $\frac{75}{35}$ By dividing with their HCF **2.** $\frac{105}{75}$ By dividing them with the common factors

Q-21.Add the following :-

1. $\frac{5}{7} + \frac{3}{7}$ **2.** $1\frac{2}{3} + 1\frac{4}{5}$

Q-22. Subtract the following :-

1. $10 - \frac{6}{7}$ **2.** $4\frac{1}{5} - \frac{2}{3}$

Q-23. Find the product and write the answer in the lowest form :-

1. $15 \times \frac{12}{20}$
2. $3\frac{3}{5} \times 5\frac{1}{2}$

Q-24. Find the value of each of the following :-

1. $\frac{4}{5} \div 2$
2. $4\frac{1}{2} \div 4\frac{1}{5}$

Q-25.Solve the following :-

1. What is the perimeter of a rectangle whose length is 6cm and breadth 5cm?
2. The floor of a rectangular room measures 16m and 11m. The floor has to be tiled with square tiles of length 40cm. Find the number of tiles required?
3. A swimming pool has length 25m and breadth 10m. Find the volume of water required to fill the pool if its depth is 3m.
4. A water tank has a capacity of 1550 *l*. If 28% of the water got drained out, how much water is left in the tank?
5. The average age of 5 students is 10 years. A student aged 14 drops out. Find the new average of the remaining 4 students.

●●●