

**WORKSHEET**  
**ASSESSMENT ON STRAND A**  
**(NUMBER AND OPERATION)**

**Class: VI**

**Subject: Mathematics**

Name: \_\_\_\_\_

**Question 1:** Each question in this section is followed by **three** possible choices of answers. Select the **most** correct answer.

- i) All prime numbers have \_\_\_\_\_ factor.
- A 1
  - B 2
  - C 3
  - D 4
- ii) Which of the following number is a prime number?
- A 20
  - B 28
  - C 37
  - D 39
- iii) The place value of the digit **8** in 7.0586 is
- A tens
  - B tenth
  - C hundredth
  - D thousandth
- iv) Which of the following is NOT equal to 4,530,000,000?
- A 453 million
  - B 453 ten million
  - C 45.3 hundred million
  - D 4.53 billion

v) An improper fraction is written as  $4\frac{\square}{5}$ , which of the following CANNOT be the numerator if you write it as improper fraction?

- A 22
- B 23
- C 24
- D 25

vi)  $\frac{7}{20}$  can be written as decimal as \_\_\_\_

- A 0.035
- B 0.35
- C 3.5
- D 35

vii) Which of the following is ordered from least to the greatest?

- A  $\frac{4}{10}, \frac{3}{4}, \frac{5}{8}$
- B  $\frac{5}{8}, \frac{4}{10}, \frac{3}{4}$
- C  $\frac{4}{10}, \frac{5}{8}, \frac{3}{4}$
- D  $\frac{3}{4}, \frac{5}{8}, \frac{4}{10}$

viii) What fraction is represented by the diagram below?

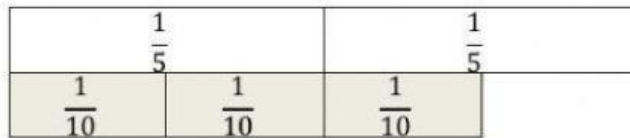


- A  $\frac{13}{15}$
- B  $\frac{13}{5}$
- C  $2\frac{3}{15}$
- D  $2\frac{3}{13}$

- ix) Karma ate  $\frac{3}{4}$  apple and Pema ate  $\frac{1}{8}$  of the same apple. How much more did Karma eat than Pema?

- A  $\frac{2}{4}$   
B  $\frac{5}{8}$   
C  $\frac{4}{12}$   
D  $\frac{3}{12}$

- x) In the diagram below, which fractions are being subtracted?

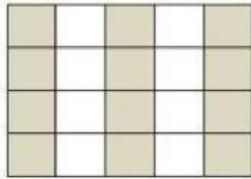


- A  $\frac{3}{10} - \frac{2}{5}$   
B  $\frac{2}{5} - \frac{3}{10}$   
C  $\frac{1}{5} - \frac{2}{10}$   
D  $\frac{2}{5} - \frac{2}{10}$
- xi) Sonam and Dorji are preparing tea. Sonam uses 2 sugar cubes for 3 cups of water and Dorji uses 4 sugar cubes for 6 cups of water. Who has the higher ratio of sugar cube to water?
- A Sonam  
B Dorji  
C Both are equal  
D None of the above

xii) The ratio 13:24 compares the number of girls to the number of students in the class. What type of **ratio** is it?

- A Part to whole ratio
- B Part to part ratio
- C Equivalent ratio
- D Unit ratio

xiii) What percent of the grid is shaded 5?



- A 12%
- B 30%
- C 40%
- D 60%

xiv) A car travels 120 km in 3 hours. How far can a car travel in 1 hour?

- A 120km
- B 60km
- C 40km
- D 30km

xv) The product of  $0.4 \times 0.8$  is

- A 32
- B 32 tenths
- C 32 hundredths
- D 32 thousandths

**Question 2:** Answer ALL the questions in this section.

- i. Order the following from least to greatest

43hundredths

35 ten thousandths

315 thousandths

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- ii. A full plate has 5 momos on it. Sonam ate 2 plates and 3 extra momos. Write a fraction to describe how many plates of momos Sonam ate.

Answer: — *OR* —

- iii. The ratio of boys to girls in the class is 2 : 3. What percent of the class is boys?

Answer:

- iv. What is the area of a rectangle given below? (Area = length X width)



Answer:

- v. Pema cuts 12.4m rope into 4 equal parts. How long will be each piece?

Answer:

- vi. Sonam bought a carpet with an area of  $24 \text{ cm}^2$ . What could be the side length of the rectangle?

Answer:

- vii. Write each in standard form.

- Two billion, fifty three million, eighty nine.
- Five hundred four and 5 hundredth.
- 6 thousand + 7ones + 2 tenth + 3thousandth
- 5204 thousandth
- 2.5 million

viii. Find the missing terms.

a)  $2 : 9 = \square : 27$

b)  $\square : 25 = 100 : 125$

c)  $2 : 4 = 5 : \square$

ix. Store A sells 3 apples for Nu 12 and store B sells 4 apples for Nu 20.

a) Which store sells at lower rate?

b) What will be the cost of 8 apples if you buy from store B?

**THANK YOU**