

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?

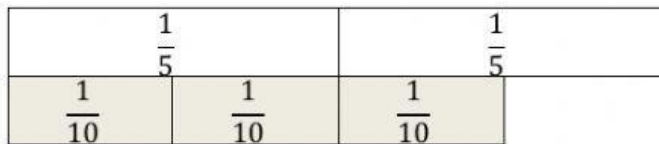


A $\frac{13}{15}$
B $\frac{13}{5}$
C $2\frac{3}{15}$
D $2\frac{3}{13}$

- 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 $\frac{2}{5} - \frac{2}{10}$

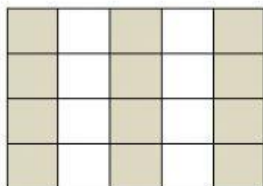
- xi) Sonam and Dorji are preparing tea. Sonam uses 2 sugar cubes for 3 cups of water and Dorji uses 4 sugar cubes for 6 cups of water. Who has the higher ratio of sugar cube to water?

- 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 0.4×0.8 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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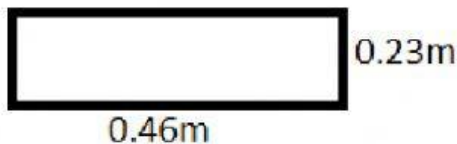
- ii. A full plate has 5 momos on it. Sonam ate 2 plates and 3 extra momos. Write a fraction to describe how many plates of momos Sonam ate.

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 cm^2 . What could be the side length of the rectangle?

Answer:

- vii. Write each in standard form.

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

viii. Find the missing terms.

a) $2 : 9 = \boxed{} : 27$

b) $\boxed{} : 25 = 100 : 125$

c) $2 : 4 = 5 : \boxed{}$

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