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

ii) Which of the following number is a prime number?

A 20

B 28

C 37

iii) The place value of the digit **8** in 7.0586 is

A tenth

B hundredth

C 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

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 23

B 24

C 25

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

A 0.035

B 0.35

C 3.5

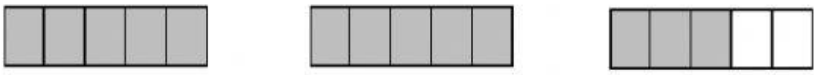
vii) Which of the following is ordered from least to the greatest?

A $\frac{4}{10}, \frac{3}{4}, \frac{5}{8},$

B $\frac{5}{8}, \frac{4}{10}, \frac{3}{4}$

C $\frac{4}{10}, \frac{5}{8}, \frac{3}{4}$

viii) What fraction is represented by the diagram below?



A $\frac{13}{15}$

B $\frac{13}{5}$

C $2\frac{3}{15}$

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?

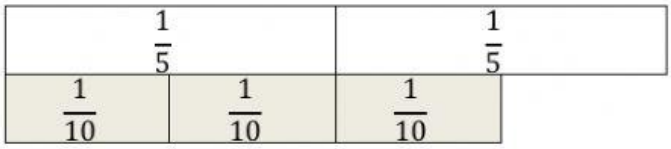
A $\frac{2}{4}$

B $\frac{5}{8}$

C $\frac{4}{12}$

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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 $\frac{1}{5} - \frac{2}{10}$

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

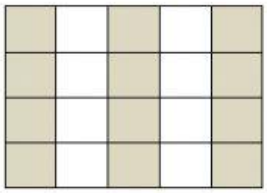
xii) The ratio 13:24 compares the number of girls to the number of students in the class. What type of **ratio** is it?

A Part to whole ratio

B Part to part ratio

C Equivalent ratio

xiii) What percent of the grid is shaded 5?



A 12%

B 30%

C 60%

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

A 120km

B 60km

C 40km

xv) The product of 0.4 × 0.8 is

A 32 tenths

B 32 hundredths

C 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

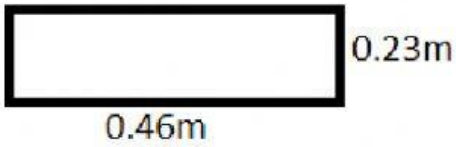
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ii. A full plate has 5 momos on it. Sonam ate 2 plates and 3 extra momos. Write a fraction to describe how many plates of momos Sonam ate.

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:

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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 = ☐ : 27

b) ☐ : 25 = 100 : 125

c) 2 : 4 = 5 : ☐

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

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