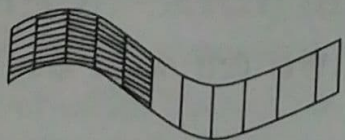


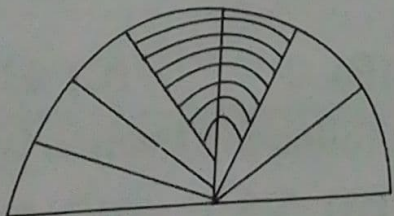
# Summative Assessment

## A. Very Short Answer Type Questions (1 Mark)

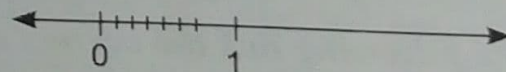
1. Write the fraction represented by the shaded portion of the adjoining figure:



2. Write the fraction represented by the un-shaded portion of the adjoining figure:



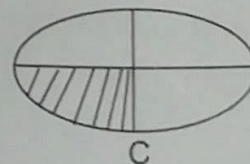
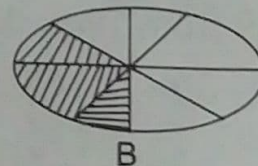
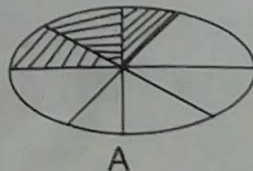
3. Represent  $\frac{5}{7}$  on number line.



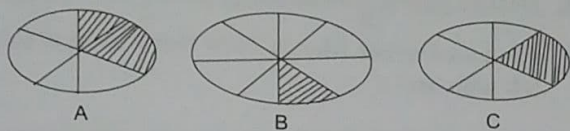
4. Write  $\frac{129}{8}$  as a mixed fraction.

5. Write  $\frac{5}{6}$  as a fraction with numerator 60.

6. Tick the figures which represent like fractions.



7. Tick the figures which represent unlike fractions.



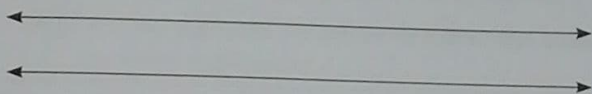
8. What fraction of a straight angle is a right angle?

9. Allen divided one pizza equally among six persons. What part of the pizza did he give to each person?

10. A cup is  $\frac{1}{3}$  full of milk. What part of the cup is still to be filled by milk to make it full?

**B. Short Answer Type Questions (2 Marks)**

1. Represent  $\frac{25}{9}$  on number line.



2. Add the fractions  $\frac{3}{8}$  and  $\frac{2}{3}$ .

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3. Add the fractions  $\frac{3}{8}$  and  $6\frac{3}{4}$

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4. Subtract  $8\frac{1}{3}$  from  $\frac{100}{9}$ .

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5. Find the fraction that represents the number of natural numbers to total numbers in the collection 0, 1, 2, 3, 4, 5.

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\*6. A rectangle is divided into certain number of equal parts. If 16 of the parts so formed represent the fraction  $\frac{1}{4}$ , find the number of parts in which the rectangle has been divided.

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7. Grip size of a tennis racquet is  $11\frac{9}{80}$  cm. Express the size as an improper fraction.

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8. Mr. Raja got a job at the age of 25 years and he got retired from the job at the age of 60 years. What fraction of his age till retirement was he in the job?

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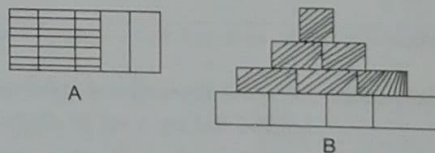
9. The food we eat remains in the stomach for a maximum of 4 hours. For what fraction of a day, does it remain there?

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10. Are the fractions represented in the following two figures equivalent?




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**C. Short Answer Type Questions (3 Marks)**

1. Arrange the fractions  $\frac{6}{7}$ ,  $\frac{7}{8}$ ,  $\frac{4}{5}$  and  $\frac{3}{4}$  in ascending order.

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2. Arrange the fractions  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{1}{2}$  and  $\frac{5}{6}$  in descending order.

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3. Kate rode her bicycle  $6\frac{1}{2}$  km in the morning and  $8\frac{3}{4}$  km in the evening. Find the distance traveled by her altogether on that day.

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4. When Sunita weighed herself, she found that she had lost  $11\frac{4}{5}$  kg. Earlier her weight was  $66\frac{3}{4}$  kg. What was her weight now?

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5. Sunil purchased  $12\frac{1}{2}$  litres of juice on Monday and  $14\frac{3}{4}$  litres of juice on Tuesday. How many litres of juice did he purchase together in two days?

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6. Nazima gave  $2\frac{3}{4}$  litres out of the  $5\frac{1}{2}$  litres of juice she purchased to her friends. How many litres of juice is left with her?

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7. Nasir traveled  $3\frac{1}{2}$  km in a bus and then walked  $1\frac{1}{8}$  km to reach a town. How much did he travel to reach the town?

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8. The fish caught by Aman was of weight  $3\frac{3}{4}$  kg and the fish caught by Basu was of weight  $2\frac{1}{2}$  kg. How much more did Aman's fish weigh than that of Basu's?

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9. Neelam's father needs  $1\frac{3}{4}$  m of cloth for the skirt of Neelam's new dress and  $\frac{1}{2}$  m for the scarf. How much cloth must he buy in all?

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- \*10. Write a pair of fractions whose sum is  $\frac{8}{11}$  and difference is  $\frac{2}{11}$ .

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#### D. Long Answer Type Questions (4 Marks)

1. Write the fraction representing the total number of natural numbers in the collection of numbers  $-3, -2, -1, 0, 1, 2, 3$ .

- (A) What fraction will it be for whole numbers?  
 (B) What fraction will it be for natural numbers?  
 (C) Are the fractions for whole numbers and natural numbers equivalent.

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2. It was estimated that because of people switching to Metro trains, about 2200 tonnes of CNG, 4400 tonnes of diesel and 3200 tonnes of petrol was saved by the end of year 2013. Find the fraction of:

- (A) the quantity of CNG saved to the quantity of petrol saved. Is the fraction proper?  
 (B) the quantity of diesel saved to the quantity of petrol saved. Is the fraction proper?

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3. A bowl has cards with one fraction out of the following written on each of them.

$\frac{2}{7}, \frac{3}{3}, \frac{9}{5}, \frac{8}{11}, \frac{5}{7}, \frac{6}{13}, \frac{14}{14}, \frac{26}{19}, \frac{3}{4}, \frac{19}{13}$ .

These cards have to put in three boxes as follows: -

box I (Fraction greater than 1);

box II (Fraction equal to 1);

box III (Fraction less than 1)

List the cards to be put in each box.

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4. Write a pair of fractions whose sum is  $\frac{3}{4}$  and difference is  $\frac{1}{20}$ .

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- \*5. A rope was  $6\frac{2}{3}$  m long. A piece  $1\frac{2}{3}$  m long was cut out from it from one end of the piece and a piece  $3\frac{2}{5}$  m long was cut out from the other end. What is the length of the rope left behind.

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