KOTHARI INTERNATIONAL SCHOOL, NOIDA
ACADEMIC SESSION – 2023-2024
SUMMATIVE ASSESSMENT 2 - GRADE 4
SUBJECT – MATHEMATICS

DURATION – 45 Minutes

Name: _____

Class: _____ Section: _____ Date: _____

> General Instructions:
> 1. This paper consists of 2 printed pages.
> 2. Read all the questions carefully.
> 3. All the questions are compulsory.

I.   Do as directed.

1.   a) Find the equivalent fraction of $\frac{15}{24}$ with numerator 5.

   b) An example of a fraction greater than 1 whole.

2.   a) Give 2 examples of concentric circles from your surroundings.

   b) What is the 32nd term in the given pattern 12, 15, 19, 12, 15, 19, 12, 15, 19,..........and also mention the length of the repeat.
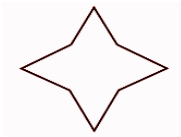
3.   **a. Arrange the following in descending order.**

   $\frac{3}{11}, \frac{7}{11}, \frac{4}{11}, \frac{10}{11}$

   b. **Find the value of**

   $\frac{11}{8} - \frac{6}{8}$

4.   **Draw the figures and make the lines of Symmetry in each of the following.**

   a)   b)   c)   d)

5.   **Riya used $\frac{1}{4}$ cup of sugar to bake a cake and $\frac{2}{4}$ cup of sugar to bake cookies. How much sugar did Riya use in all? Write the statements. Also, show the calculation.**

II. Choose the correct answer.

6. **Assertion (A):** $\dfrac{2}{7}$ is an Improper fraction.

   Reason (R): In improper fractions, the denominator is greater than the Numerator
   a) Both A and R are true and R is the correct explanation of A.
   b) Both A and R are true but R is not the correct explanation of A.
   c) A is true but R is false.
   d) A is false but R is true.

7. **Assertion (A):** The equivalent fraction of 20/36 with denominator 9 is 5/9.

   Reason (R): Equivalent fractions are two or more fractions that are all equal.

   a) Both A and R are true and R is the correct explanation of A.
   b) Both A and R are true but R is not the correct explanation of A.
   c) A is true but R is false.
   d) A is false but R is true.

III. Do as directed.

8. a) Write one example each of growing number pattern and reducing number pattern with at least 5 values in each.

   b) Convert $2\dfrac{1}{4}$ into an improper fraction and represent it in pictorial form.

9. **Use a compass to draw a circle of radius 5 cm and mark the following.**

   a. Centre X
   b. Chord AB
   c. Radius XT

10. **Complete the pattern by writing the missing terms in each pattern.**

   a) Z, 10, Y, 9, _____, 8, W, 7, _____

   b) 3, 6, 12, 24, _____, _____

   c) **What fraction will come in the Magic Square?**

$\dfrac{6}{17}$	$\dfrac{5}{17}$	$\dfrac{3}{17}$
$\dfrac{3}{17}$	$\dfrac{2}{17}$	$\dfrac{9}{17}$
$\dfrac{5}{17}$		$\dfrac{2}{17}$

....X...