

## NEW XSEED 5-STEP EDITION

- ✓ 5-Step Experiential Learning Method
- ✓ CCE Compliant
- ✓ HOTS Driven Learning

**XSEED**  
FOUNDATION FOR LIFE

### Instructions for Administering Assessments

1. Fill in your name, grade and section on page 2.
2. Read each instruction and question carefully.
3. Write or draw the answer to each question in the space given.
4. If you have a question or need help during the test, quietly raise your hand and wait for the teacher to come to you.
5. Marks for each question are written on the test paper next to the question.
6. Wait for the teacher's instruction to start the test.
7. You will be given a reminder when **45** minutes are left and a final reminder when **10** minutes are left.

# XSEED SUMMATIVE ASSESSMENT

Maths, Test 2

**GRADE**  
**5**

Duration: 90 Minutes  
Total Marks: 60

NAME: \_\_\_\_\_ GRADE: \_\_\_\_\_ SECTION: \_\_\_\_\_

**PART I – Short Answer Questions**

**30 Marks**

1. Subtract the given fractions. **SHOW ALL WORK.**

	2
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A.  $\frac{9}{16} - \frac{6}{16}$

B.  $7\frac{9}{13} - 1\frac{9}{13}$

2. Match each number with its factors.

	2
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Number				Factors
48	•	•		3, 7
63	•	•		4, 9
36	•	•		6, 10
60	•	•		3, 8

3. Write the given fractions in the simplest form.

	2
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<p>A. <math>\frac{35}{56}</math></p>	<p>B. <math>\frac{76}{114}</math></p>
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4. List the multiples of 4 and 6 upto 40. Write their first 3 common multiples.

	3
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Multiples of 4:

Multiples of 6:

Common multiples of 4 and 6:

5. **Circle** ALL the equivalent fractions for  $\frac{4}{9}$  in the given table.

	3
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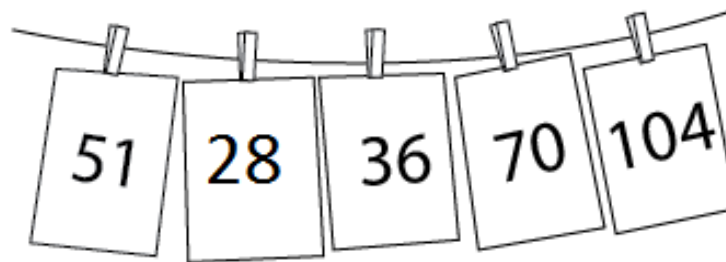
$\frac{12}{18}$	$\frac{16}{36}$	$\frac{20}{40}$	$\frac{24}{54}$	$\frac{36}{90}$	$\frac{44}{99}$
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6. Which is greater —  $\frac{2}{3}$  or  $\frac{7}{8}$ ? SHOW ALL WORK.

	3
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7. Look at the numbers and answer the questions.

	3
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A. Which of the given numbers are multiples of 4? \_\_\_\_\_

B. Which of the given numbers are multiples of 8? \_\_\_\_\_

C. Tick (✓) the correct statement:

a. All the multiples of 4 are multiples of 8.

b. All the multiples of 8 are multiples of 4.

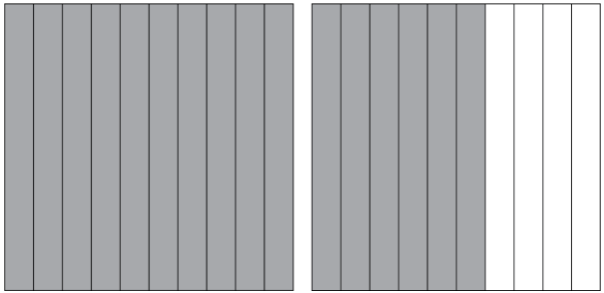
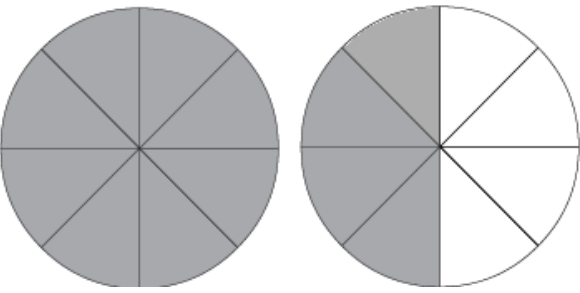
8. Multiply the fractions using the given pictures. SHOW ALL WORK.

A.  $\frac{2}{3} \times \frac{3}{8}$


B.  $\frac{3}{4} \times \frac{8}{9}$


9. Write the shaded parts as a fraction and a decimal.

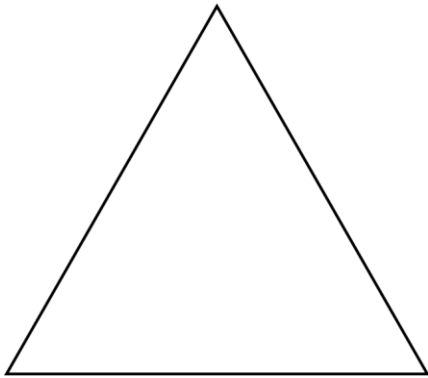
	4
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	Picture	Fraction	Decimal
A.			
B.			

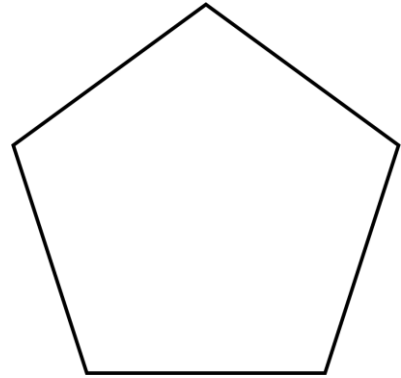
10. Draw the lines of symmetry in each given figure.

	4
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A.



B.



**PART II – Long Answer Questions**

**30 Marks**

**11. Do as instructed. SHOW ALL WORK.**

	5
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**A.** Find all the factors of 72.

**B.** Find all the factors of 96.

**C.** Find all the common factors of 72 and 96.

12. Solve the given problems. SHOW ALL WORK.

A. Ramya ate  $\frac{4}{9}$  of the watermelon and Karthik ate  $\frac{2}{9}$  of the same watermelon.

What fraction of the watermelon was left?

B. Riya and Venkat are painting walls of the same size. Riya painted  $\frac{3}{7}$  of her wall and

Venkat painted  $\frac{4}{9}$  of his wall. Who painted more?



**13. Do as instructed.**

**A.** Some players participated in a race. Read the table and answer the questions.

	<b>Player 1</b>	<b>Player 2</b>	<b>Player 3</b>
<b>Time taken to finish the race (in seconds)</b>	118.24	118.64	120.02

**a.** Which player took the LEAST time to complete the race?

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**b.** Which player took the MOST time to complete the race?

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**c.** Arrange the given times in DESCENDING ORDER.

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**B.** Ananya formed a decimal number such that:

- The digit at the tenths place was 5
- The digit at the ones place was 3 less than the digit at the tenths place
- The digit at the hundredths place was 2 more than the digit at the tenths place

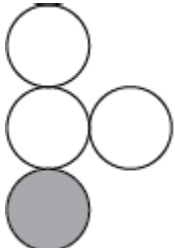
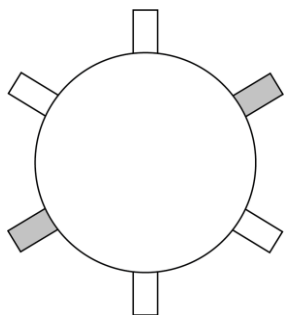
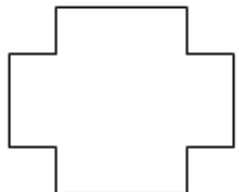
**a.** What decimal number did Ananya write?

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**b.** Shade the given grids to show the decimal number Ananya formed.

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14. Rotate the given shapes as instructed.

<p><b>A.</b></p> 	<p><b>Quarter turn</b></p>	<p><b>Half turn</b></p>
<p><b>B.</b></p> 	<p><math>\frac{1}{6}</math> turn</p>	<p><math>\frac{1}{2}</math> turn</p>
<p><b>C.</b></p> 	<p><math>\frac{1}{2}</math> turn</p>	<p><b>1 full turn</b></p>

15. The height of tree A was  $3\frac{1}{2}$  m and the height of tree B was  $4\frac{1}{6}$  m. After 1 year, tree A's height increased by  $\frac{4}{5}$  of its original height and tree B's height increased by  $\frac{2}{3}$  of its original height.

	7
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A. What was the increase in the height (in metres) of each tree after 1 year?  
SHOW ALL WORK.

B. What was the height of each tree after 1 year? Write the answers as mixed fractions.  
SHOW ALL WORK.

END OF QUESTIONS IN TEST PAPER

# XSEED Summative Assessment – Test 2

## Score Report

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

Roll No.: \_\_\_\_\_ Grade: \_\_\_\_\_ Section: \_\_\_\_\_

*To be filled in by the teacher:*

SECTION	QUESTION NUMBER/TOPIC	MARKS	TOTAL MARKS
<b>Part I Short Answer Questions</b>	1. Subtracting Fractions		2
	2. Identifying Factors of Numbers		2
	3. Finding the Simplest Form of Fractions		2
	4. Finding Common Multiples		3
	5. Identifying Equivalent Fractions		3
	6. Comparing Fractions		3
	7. Identifying Multiples of 4 and 8		3
	8. Multiplying Fractions using Pictures		4
	9. Representing Fractions and Decimals		4
	10. Drawing Lines of Symmetry		4
<b>PART I SUBTOTAL</b>			<b>30</b>
<b>Part II Long Answer Questions</b>	11. Finding Factors and Common Factors		5
	12. Solving Word Problems on Fractions		6
	13. Decimals: Comparing, Ordering, Forming and Representing		6
	14. Rotational Symmetry		6
	15. Solving Word Problems on Fractions		7
<b>PART II SUBTOTAL</b>			<b>30</b>
<b>TOTAL MARKS</b>			<b>60</b>