



# EBHS KIKHANZA HOMESCHOOLING BOGOR

"More Knowledgeable, Creative, and Independent"

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

Subject: \_\_\_\_\_ Teacher: \_\_\_\_\_

## Mid-Term EXAM – Even SEMESTER Maths ACADEMIC YEAR 2025/2026 March, 2026

### I. Choose the correct answer!

- Which fraction is equivalent to  $\frac{2}{3}$ ?  
a)  $\frac{4}{9}$                       b)  $\frac{6}{9}$                       c)  $\frac{5}{6}$                       d)  $\frac{2}{6}$
- What is  $\frac{3}{4} + \frac{1}{8}$ ?  
a)  $\frac{4}{12}$                       b)  $\frac{7}{8}$                       c)  $\frac{5}{8}$                       d)  $\frac{1}{2}$
- Convert the improper fraction  $\frac{11}{4}$  to a mixed number.  
a)  $2\frac{3}{4}$                       b)  $3\frac{1}{4}$                       c)  $2\frac{1}{4}$                       d)  $1\frac{7}{4}$
- What is  $\frac{4}{5} - \frac{1}{2}$ ?  
a)  $\frac{3}{3}$                       b)  $\frac{3}{10}$                       c)  $\frac{5}{10}$                       d)  $\frac{3}{7}$
- Simplify the fraction  $\frac{12}{18}$  to its lowest terms.  
a)  $\frac{1}{2}$                       b)  $\frac{3}{4}$                       c)  $\frac{2}{3}$                       d)  $\frac{6}{9}$
- Which symbol makes the statement true?  $\frac{5}{6}$  .....  $\frac{7}{8}$   
a) >                      b) <                      c) =                      d) x
- What is  $2\frac{1}{3}$  written as an improper fraction?  
a)  $\frac{5}{3}$                       b)  $\frac{6}{3}$                       c)  $\frac{7}{3}$                       d)  $\frac{3}{2}$
- Find the product:  $\frac{1}{2} \times \frac{3}{5}$ .  
a)  $\frac{4}{7}$                       b)  $\frac{3}{10}$                       c)  $\frac{1}{5}$                       d)  $\frac{3}{7}$
- What is  $\frac{1}{3}$  of 12?  
a) 3                      b) 6                      c) 4                      d) 36
- A cake is cut into 12 slices. If Sarah eats 3 slices, what fraction of the cake is left?  
a)  $\frac{1}{4}$                       b)  $\frac{3}{4}$                       c)  $\frac{9}{12}$                       d) Both b and c
- What is  $5 : \frac{1}{2}$ ?  
a)  $2\frac{1}{2}$                       b) 10                      c)  $\frac{5}{2}$                       d) 7
- Which of the following is a "unit fraction"?  
a)  $\frac{2}{1}$                       b)  $\frac{1}{8}$                       c)  $\frac{5}{5}$                       d)  $\frac{3}{4}$
- What must you have to add or subtract fractions?  
a) same numerator      b) calculator              c) same denominator      d) Improper fractions

14. What is  $\frac{1}{4} \times \frac{1}{4}$ ?

a)  $\frac{2}{8}$

b)  $\frac{1}{8}$

c)  $\frac{1}{16}$

d)  $\frac{1}{2}$

15. If a recipe calls for  $\frac{3}{4}$  cup of flour and you want to double it, how much flour do you need?

a)  $1\frac{1}{2}$  cups

b)  $\frac{6}{8}$  cup

c) 2 cups

d)  $1\frac{1}{4}$  cups

**II. Match the term or fraction on the left with its correct description on the right.**

Column A	Column B
1. $\frac{10}{10}$	A. A fraction where the numerator is larger than the denominator.
2. Improper Fraction	B. Equal to 1 whole.
3. Reciprocal of $\frac{2}{3}$	C. The bottom number in a fraction.
4. Denominator	D. $\frac{3}{2}$
5. $\frac{1}{4} + \frac{1}{4}$	E. $\frac{1}{2}$ (Simplified)

**III. Answer these question and show your work!**

1. Leo has 4 pizzas. He wants to give each of his friends  $\frac{1}{3}$  of a pizza. How many friends can he feed?

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2. Is the sum of  $\frac{8}{9}$  and  $\frac{12}{13}$  closer to 1 or 2? Explain your reasoning. \_\_\_\_\_

\_\_\_\_\_

3. Solve  $5 - 2\frac{1}{4}$  and write the answer as a mixed number. \_\_\_\_\_

\_\_\_\_\_

4. Draw a visual model (like a rectangle or circle) to show why  $\frac{1}{2}$  is the same as  $\frac{4}{8}$  \_\_\_\_\_

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5. A track is  $\frac{3}{4}$  of a mile long. If Jenny runs around it 5 times, how many miles did she run? (Express as a mixed number). \_\_\_\_\_
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