EBHS KIKHANZA HOMESCHOOLING BOGOR

"More Knowledgeable, Creative, and Independent"

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Name : _____ Grade : _____

Subject: _____ Teacher : _____

FINAL EXAM
Maths
ACADEMIC YEAR 2024/2025
June, 2025

I. Multiple Choice Questions

1. What is the simplest form of $\frac{6}{12}$?
   a. $\frac{3}{6}$
   b. $\frac{2}{3}$
   c. $\frac{1}{2}$
   d. $\frac{2}{4}$
2. Which of the following is equivalent to $\frac{3}{4}$?
   a. $\frac{6}{8}$
   b. $\frac{9}{12}$
   c. $\frac{3}{2}$
   d. $\frac{5}{10}$
3. In a scientific experiment, what is a parameter?
   a. A tool used to measure something
   b. A factor that affects the outcome of the experiment
   c. A person conducting the experiment
   d. A conclusion made after the experiment
4. Convert 0.25 to a fraction in its simplest form.
   a. $\frac{1}{4}$
   b. $\frac{2}{5}$
   c. $\frac{1}{2}$
   d. $\frac{3}{5}$
5. What is $\frac{2}{3} + \frac{1}{6}$?
   a. $\frac{3}{6}$
   b. $\frac{4}{6}$
   c. $\frac{5}{6}$
   d. $\frac{2}{9}$
6. Which decimal is greater than 0.45?
   a. 0.35
   b. 0.4
   c. 0.5
   d. 0.25
7. What is the decimal equivalent of $\frac{3}{5}$?
   a. 0.5
   b. 0.6
   c. 0.75
   d. 0.25
8. Which of the following is an example of a parameter in a math formula?
   a. The sum of two numbers

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b. The numbers used in a formula
c. The result of a multiplication
d. The final answer of a calculation

9. Which fraction is greater than $\frac{7}{10}$?
   a. $\frac{3}{5}$
   b. $\frac{4}{6}$
   c. $\frac{6}{9}$
   d. $\frac{8}{10}$
10. Convert 0.9 to a fraction in its simplest form.
   a. $\frac{9}{10}$
   b. $\frac{3}{4}$
   c. $\frac{5}{9}$
   d. $\frac{4}{5}$
11. What is $\frac{5}{8} - \frac{2}{8}$?
   a. $\frac{3}{8}$
   b. $\frac{2}{8}$
   c. $\frac{5}{6}$
   d. $\frac{7}{8}$
12. Multiply: $\frac{2}{3} \times \frac{3}{4}$
   a. $\frac{6}{12}$
   b. $\frac{5}{7}$
   c. $\frac{1}{2}$
   d. $\frac{8}{9}$
13. Which of the following describes the role of parameters in a computer program?
   a. They store the final results of the program
   b. They allow functions to receive input values
   c. They create new variables
   d. They delete unnecessary data
14. Divide: $\frac{4}{5} \div \frac{2}{3}$
   a. $\frac{6}{5}$
   b. $\frac{10}{6}$
   c. $\frac{8}{15}$
   d. $\frac{2}{3}$
15. Which of the following is an improper fraction?
   a. $\frac{5}{4}$
   b. $\frac{7}{8}$
   c. $\frac{3}{5}$
   d. $\frac{4}{7}$
16. Convert $1\frac{2}{5}$ into an improper fraction.
   a. $\frac{7}{5}$
   b. $\frac{5}{6}$
   c. $\frac{6}{5}$
   d. $\frac{2}{7}$
17. Round 0.678 to the nearest hundredth.
   a. 0.67
   b. 0.6
   c. 0.68
   d. 0.7
18. Why is the temperature of a room considered a parameter in a weather study?
   a. Because it is always constant
   b. Because it helps analyze weather conditions
   c. Because it only affects the inside of buildings
   d. Because it is not important in research
19. Add 1.2 + 2.35
   a. 3.55
   b. 4.15
   c. 3.45
   d. 3.75

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20. Which fraction is equal to 0.75?
    a. ¾
    b. $\frac{2}{5}$
    c. $\frac{1}{3}$
    d. $\frac{5}{6}$
21. What is $\frac{2}{5}$ of 50?
    a. 10
    b. 25
    c. 20
    d. 30
22. Convert 0.125 to a fraction.
    a. $\frac{1}{8}$
    b. $\frac{2}{5}$
    c. $\frac{3}{7}$
    d. $\frac{5}{10}$
23. Which of the following is a mixed number?
    a. $\frac{7}{3}$
    b. $2\frac{1}{3}$
    c. $\frac{9}{5}$
    d. $\frac{5}{2}$
24. Which decimal is equal to $4\frac{1}{5}$?
    a. 4.25
    b. 4.2
    c. 4.1
    d. 4.5
25. In a race, which of the following is a parameter that determines the winner?
    a. The shoes worn by the runners
    b. The number of spectators watching
    c. The time taken to finish the race
    d. The color of the runner's clothes

II. Essay Questions

1. Explain how to convert a fraction into a decimal using long division. Use the example of $\frac{7}{8}$!

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   _____

2. A store offers a discount of $\frac{3}{10}$ on all products. If the original price of a toy is $20, how much will the discount be, and what will be the final price? _____

   _____

   _____

3. Describe the steps to add mixed numbers. Solve $2\frac{3}{5} + 1\frac{1}{4}$! _____

   _____

   _____

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4. If a cake is divided into 12 equal parts and 5 pieces are eaten, what fraction of the cake remains? Explain your answer! _____

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_____

5. Convert the decimal 0.375 to a fraction and explain the process! _____

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