O Level Maths

Topic: Integers, Fractions, and Decimals

> **Instructions**
>
> Answer all questions. Show working where necessary. Use your knowledge of integers, fractions, decimals, and operations.

Practice Problems

1. Simplify the following expression: $7 + (-3) - 5 + 12$

2. Express $\frac{3}{4}$ as a decimal.

3. Add $3\frac{1}{2} + 4\frac{2}{3}$.

4. Subtract: $15 - (-7)$

5. Multiply: $(-6) \times 8$

6. Divide: $\frac{5}{6} \div \frac{2}{3}$

7. Convert 0.75 into a fraction.

8. Which of the following numbers is an integer but not a whole number? $\{-2, 4, 0, -3\}$

Word Problems

1. A class has 120 students. 40

2. A baker uses $\frac{3}{4}$ kg of flour for one loaf of bread. How many loaves of bread can he make with 5 kg of flour?

3. A swimming pool is being filled at a rate of 0.8 meters per hour. How many hours will it take to fill the pool to a depth of 8 meters?

Multiple-Choice Questions

1. Which of the following is a fraction?

    A. 0.5

    B. 3

    C. $\frac{2}{3}$

    D. 2.75

2. What is the decimal form of $\frac{5}{8}$?

    A. 0.625

    B. 0.5

    C. 0.75

    D. 0.875

3. What is the sum of -7 and 4?

    A. -3

    B. 3

    C. -11

    D. 11

4. Which of the following is not an integer?

    A. -4

    B. 5

    C. 0

    D. 2.5

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