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| **ANGELWINGS COMPREHENSIVE COLLEGE, MAROKO, PW, KUBWA, ABUJA** | |
| **THIRD TERM MIDTERM EXAMINATION 2024/2025 ACADEMIC SESSION** | |
| **SUBJECT: Math** | **CLASS: YEAR THREE** |

1. The sum of one-quarter and one-quarter is \_ (a) 1/2 (b) 1/4 (c) 3/4

2. Sally initially possesses 0.5 kg of apples and acquires an additional 0.2 kg; her total apple weight is now \_ (a) 0.3 kg (b) 0.7 kg (c) 0.5 kg

3. Subtracting one-sixth from three-sixths yields \_ (a) 1/6 (b) 1/3 (c) 2/3

4. Painting a small chair requires 0.8 liters of paint, and a small table needs 0.2 liters; the combined paint required is \_ (a) 0.6 liters (b) 1 liter (c) 0.9 liters

5. The product of one-half and three-quarters is \_ (a) 1/4 (b) 3/8 (c) 1/2

6. To bake four cakes, given that each cake requires 0.6 kg of sugar, the total sugar amount needed is \_ (a) 1.2 kg (b) 2.4 kg (c) 0.6 kg

7. The result of multiplying three-quarters by one-half is \_ (a) 1 1/2 (b) 3/8 (c) 1/2

8. A bookshelf measuring 1.8 meters in length is partitioned into three equal sections; the length of each section is \_ (a) 0.4 meters (b) 0.6 meters (c) 0.9 meters

9. Tom possesses half of a pizza, which originally contains 8 slices when whole; he has \_ (a) 2 slices (b) 4 slices (c) 6 slices

10. A water bottle has a capacity of 1.5 liters and currently contains 0.5 liters; the additional volume of water that can be added is \_ (a) 0.5 liters (b) 1 liter (c) 1.5 liters

11. A bakery sells 0.8 kg of bread hourly; over a 5-hour operational period, the total bread sold will be \_ (a) 3 kg (b) 4 kg (c) 4.5 kg

12. Determine two-thirds of a dozen pencils \_ (a) 6 pencils (b) 8 pencils (c) 10 pencils

13. A single pencil measures 0.15 meters in length; the combined length of six such pencils is \_ (a) 0.6 meters (b) 0.8 meters (c) 0.9 meters

14. Calculate three-quarters of sixteen crayons \_ (a) 10 crayons (b) 12 crayons (c) 14 crayons

15. A jar initially holds 0.25 kg of jam, with 0.05 kg added daily; after four days, the total jam in the jar will be \_ (a) 0.35 kg (b) 0.45 kg (c) 0.55 kg

16. The sum of one-half and one-quarter is \_ (a) 3/4 (b) 1/2 (c) 1/4

17. Given that one toy car weighs 0.3 kg, the cumulative weight of five toy cars is \_ (a) 1 kg (b) 1.2 kg (c) 1.5 kg

18. The difference between two-thirds and one-third is \_ (a) 1/3 (b) 1/2 (c) 2/3 (d) 1

19. A group of six friends desires to evenly distribute 1.8 kg of candy among themselves; the amount of candy each friend receives is \_ (a) 0.2 kg (b) 0.3 kg (c) 0.4 kg

20. Calculate the product of two-thirds and three-quarters \_ (a) 8/9 (b) 6/8 (c) 1/2

Section B

1. Explain how to simplify a fraction to its lowest terms.\_\_\_\_\_\_\_\_\_

2. Convert the decimal 0.75 into its equivalent fraction.\_\_\_\_\_\_\_\_\_

3. State the rule for adding or subtracting fractions with different denominators.\_\_\_\_\_\_\_\_\_

4. If you have 2.5 meters of rope and cut off 0.8 meters, how much rope remains?\_\_\_\_\_\_\_\_\_

5. Define what a common denominator is in the context of fractions.\_\_\_\_\_\_\_\_\_

Section C

1. Discuss the practical applications of fractions and decimals in everyday life, providing at least two distinct examples for each.

2. Compare and contrast the operations of multiplication and division when applied to fractions, highlighting any key differences in methodology.

3. Explain the significance of place value in understanding decimal numbers and how it relates to performing arithmetic operations with them.