



You will have up to 1 hour to complete 35 multiple choice questions. Calculators and dictionaries are NOT allowed.

A. Fractions (6 marks)

$-\frac{9}{867} - \frac{47}{867} + \frac{186}{867} - \frac{90}{867}$

P

1. Reduce  $-\frac{9}{867}$  to lowest terms: \_\_\_\_\_

2. Find the largest fraction in the following set:  $-\frac{9}{867}, -\frac{47}{867}, -\frac{186}{867}, -\frac{90}{867}$  \_\_\_\_\_

3. Add  $2 - \frac{9}{867} + 6 - \frac{47}{867}$  \_\_\_\_\_

4. Subtract  $4 - \frac{186}{867}$  \_\_\_\_\_

$-\frac{90}{867}$  as a decimal \_\_\_\_\_

C. Percents (4 marks)

13. Express 84% as a fraction in lowest terms \_\_\_\_\_

14. Express  $-\frac{90}{867}$  as a percent \_\_\_\_\_

15. What is 75% of 70? \_\_\_\_\_

16. A bottle contains 300 millilitres of liquid. If 25% of the liquid is removed, how many millilitres remain? \_\_\_\_\_

D. Algebra (4 marks)

Questions 17 to 20 - Solve for N

17.  $N - 17 = 23$  N = \_\_\_\_\_

18.  $2N + 5 = 29$  N = \_\_\_\_\_

19.  $- = -$  N = \_\_\_\_\_

20.  $-N = 16$  N = \_\_\_\_\_

E. Metric System (6 marks)

21. 0.003 grams = \_\_\_\_\_ milligrams

22. 2 milligrams = \_\_\_\_\_ micrograms

23. 4.6 micrograms = \_\_\_\_\_ milligrams

24. 0.075 kilograms = \_\_\_\_\_ milligrams

25. 9.52 litres = \_\_\_\_\_ millilitres

26. Add 2.2 kg + 5.75 g + 300 mg (Give your answer in grams) \_\_\_\_\_

F. Applications (9 marks)

27. If there are 30 grams in one ounce, k 293 0 Td(o)6 (un)3 (c)1717 3ns ans m \_ \_

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