



HEALTH SCIENCES MATH ASSESSMENT SAMPLE

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

A. Fractions (6 marks)

- 1. Reduce $\frac{1}{2}$ to lowest terms: _____
- 2. Find the largest fraction in the following set: $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}$ _____
- 3. Add $2\frac{1}{2} + 6\frac{1}{3}$ _____
- 4. Subtract $4\frac{1}{2} - 2\frac{1}{3}$ _____
- 5. Multiply $12 \times \frac{1}{3}$ _____
- 6. Divide $\frac{1}{2} \div 2$ _____

B. Decimals

$\frac{1}{2}$ as a decimal _____

C. Percents (4 marks)

- 13. Express 84% as a fraction in lowest terms _____
- 14. Express $\frac{1}{2}$ 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. $3N = 15$ 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 _ _ T d