

MATH 01 - Arithmetic, Sec. V2

Second test. Time allowed: one hour. Professor Luis Fernández

NAME: _____

INSTRUCTIONS: Solve the following 23 exercises. Each is worth 5 points. **You must show all your work** in order to receive any credit. This includes all **sums**, **long divisions**, etc.

1. Add: $124 + 76.09 =$

2. Add: $5.372 + 68.22 =$

3. Subtract: $47.37 - 9.26 =$

4. Subtract: $47.23 - 6.212 =$

5. Multiply: $38.42 \times 1000000 =$

6. Multiply: $0.0977 \times 10^3 =$

7. Divide: $72.54 \div 10000 =$

8. Divide: $0.037 \div 10^3 =$

9. Multiply: 4.4×0.15

10. Multiply: 0.063×2.1

11. Divide exactly (no remainder):
 $43.95 \div 5 =$

12. Divide exactly (no remainder):
 $6.39 \div 0.9 =$

13. Divide exactly (no remainder):
 $0.9683 \div 0.023 =$

14. Divide exactly (no remainder):
 $15.9 \div 11 =$

15. Write in scientific notation: 9876.2

16. Write in scientific notation: 0.000138

17. Multiply and give the answer in scientific notation:
 $(2.4 \times 10^5) \cdot (3 \times 10^3) =$

18. Multiply and give the answer in scientific notation:
 $(5.23 \times 10^4) \cdot (5 \times 10^1) =$

19. Divide and give the answer in scientific notation:
$$\frac{7.2 \times 10^7}{3 \times 10^2} =$$

20. Divide and give the answer in scientific notation:
$$\frac{1.2 \times 10^7}{4.8 \times 10^{-3}} =$$

21. Convert the percent 78%
to a fraction in simplest form.

22. Convert the number 0.238 to a percent.

23. Convert the percent 342.12% to a decimal.

24. Convert the fraction $\frac{40}{50}$ to a decimal.

25. Find 32% of 21.

26. Find $\frac{7}{8}$ of 24.