

MATH 01 - Arithmetic, Sec. V1

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: $134 + 67.08 =$

2. Add: $7.571 + 58.12 =$

3. Subtract: $52.26 - 8.13 =$

4. Subtract: $31.53 - 8.121 =$

5. Multiply: $17.27 \times 1000000 =$

6. Multiply: $0.0153 \times 10^3 =$

7. Divide: $31.63 \div 10000 =$

8. Divide: $0.045 \div 10^3 =$

9. Multiply: 3.3×0.52

10. Multiply: 0.081×1.3

11. Divide exactly (no remainder):
 $80.85 \div 5 =$

12. Divide exactly (no remainder):
 $8.73 \div 0.9 =$

13. Divide exactly (no remainder):
 $0.2244 \div 0.017 =$

14. Divide exactly (no remainder):
 $24.8 \div 11 =$

15. Write in scientific notation: 5432.7

16. Write in scientific notation: 0.000221

17. Multiply and give the answer in scientific notation:
 $(1.6 \times 10^3) \cdot (4 \times 10^2) =$

18. Multiply and give the answer in scientific notation:
 $(6.51 \times 10^5) \cdot (4 \times 10^3) =$

19. Divide and give the answer in scientific notation:
$$\frac{5.6 \times 10^6}{4 \times 10^4} =$$

20. Divide and give the answer in scientific notation:
$$\frac{1.2 \times 10^4}{4.8 \times 10^{-4}} =$$

21. Convert the percent 58% to a fraction in simplest form.

22. Convert the number 0.174 to a percent.

23. Convert the percent 463.31% to a decimal.

24. Convert the fraction $\frac{30}{50}$ to a decimal.

25. Find 31% of 23.

26. Find $\frac{3}{8}$ of 32..