PHYSICAL SCIENCE
COMPOUNDS

NAME _____
DATE _____ CLASS _____

SIGNIFICANT DIGIT AND SCIENTIFIC NOTATION WORKSHEET

PART A HOW MANY SIGNIFICANT DIGITS?

1. 245 mL _____
2. 65000 g _____
3. 0.0045 km _____
4. 5.07000 kg _____
5. 7020 cm _____

PART B APPLY SIGNIFICANT DIGITS TO MATH PROBLEMS

6. 4.5L + 5.67L = _____ L
7. 1.82m – 0.1m = _____ m
8. 45s x 357 s = _____ s^2
9. 5.0g / 2.56g = _____
10. (4.5L + 5.67L)/ 7.50 L = _____

PART C CONVERT NUMBERS TO SCIENTIFIC NOTATION

11. 245 mL _____ mL
12. 65000 g _____ g
13. 0.0045 km _____ km
14. 147000 kg _____ kg
15. 0.0007020m _____ m

PART D APPLY SIGNIFICANT DIGITS TO MATH PROBLEMS THAT INVOLVE SCIENTIFIC NOTATION

16. $4.5 \times 10^4 L + 5.67 \times 10^3 L$ = _____ L
17. $1.82 \times 10^4 m - 1.1 \times 10^2 m$ = _____ m
18. $(4.5 \times 10^3 s)(3.57 \times 10^2 s)$ = _____ s^2
19. $(5.0 \times 10^7 g) / (2.56 \times 10^4 g)$ = _____
20. $(1.82 \times 10^4 m - 1.1 \times 10^2 m) / 7.50$ m = _____

© 2003 ESubjects Inc. All rights reserved.