LESSON	**Practice B**
4-4	*Scientific Notation*

Write each number in standard notation.

1. 2.54×10^2 2. 6.7×10^{-2} 3. 1.14×10^3 4. 3.8×10^{-1}

_____   _____   _____   _____

5. 7.53×10^{-3} 6. 5.6×10^4 7. 9.1×10^5 8. 6.08×10^{-4}

_____   _____   _____   _____

9. 8.59×10^5 10. 3.331×10^6 11. 7.21×10^{-3} 12. 5.88×10^{-4}

_____   _____   _____   _____

Write each number in scientific notation.

13. 75,000,000   14. 208   15. 907,100

_____   _____   _____

16. 56   17. 0.093   18. 0.00006

_____   _____   _____

19. 0.00852   20. 0.0505   21. 0.003007

_____   _____   _____

22. 5226   23. 0.04   24. 98,856

_____   _____   _____

25. Jupiter is about 778,120,000 kilometers from the Sun. Write this
    number in scientific notation.

    _____

26. The *E. coli* bacterium is about 5×10^{-7} meters wide. A hair is
    about 1.7×10^{-5} meters wide. Which is wider, the bacterium or
    the hair?
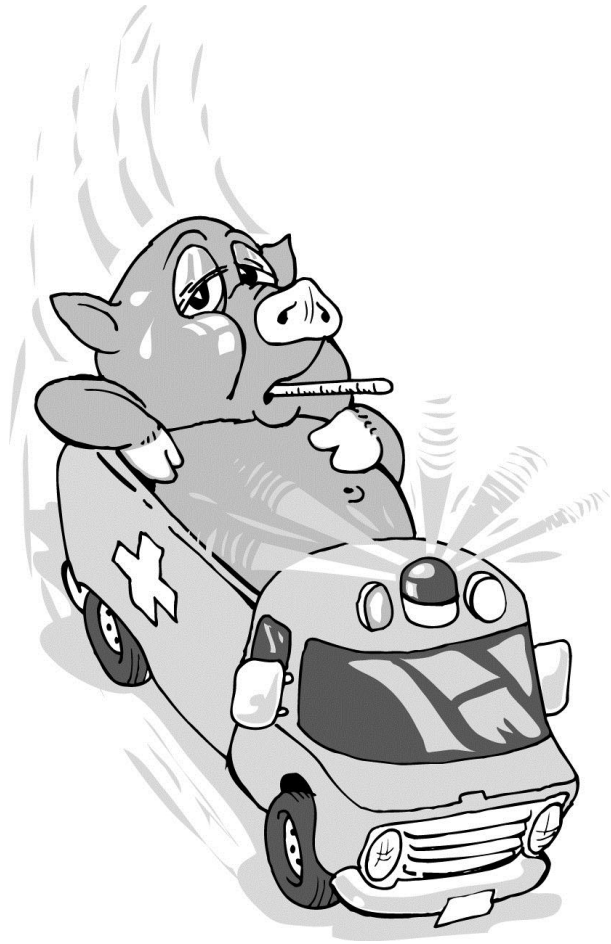
    _____

Holt McDougal Mathematics

LESSON 4-4

Puzzles, Twisters & Teasers

Be a Math Hog!

Write the correct exponents to show each number in scientific notation. Then solve the riddle.

I $-580{,}000 = -5.8 \times 10^{5}$

E $26{,}400{,}000 = 2.64 \times 10^{7}$

N $0.000135 = 1.35 \times 10^{-4}$

A $0.000002 = 2 \times 10^{-6}$

C $155{,}000{,}000 = 1.55 \times 10^{8}$

H $0.00000014 = 1.4 \times 10^{-7}$

N $0.0003 = 3 \times 10^{-4}$

M $7{,}800{,}000 = 7.8 \times 10^{6}$

L $0.0467 = 4.67 \times 10^{-2}$

B $3500 = 3.5 \times 10^{3}$

U $900 = 9 \times 10^{2}$

Y $1{,}000{,}000{,}000 = 1 \times 10^{9}$

How did the pig get to the hospital?

____ ____   ____
 5   −4   −6

____ ____ ____ ____ ____ ____ ____ ____ ____ ____
−7   −6   6   3   2   −2   −6   −4   8   7

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