

**8.EE.A.3 ADDITIONAL PRACTICE**

- 1) Write the expressions in the table in standard form.

$5 \cdot 10^{-2}$	$5 \cdot 10^{-1}$	$5 \cdot 10^0$	$5 \cdot 10^1$	$5 \cdot 10^2$

- 2) Rewrite 807,000 in scientific notation.

- 3) The population of Los Angeles is approximately 4 million people. What is this number expressed in scientific notation?

- 4) Express 0.0306 in scientific notation.

- 5) Write the size of a grain of sand, about  $9.35 \cdot 10^{-3}$  cm, in standard form.

- 6) What symbol makes the statement below true?

$$0.00423 \text{ \_\_\_\_ } 4.23 \cdot 10^{-4}$$

- 7) What is the value of  $n$  in the equation:  
 $1.0035 \cdot 10^n = 100,350,000$

- 8) For what value of  $n$  makes the equation below true?

$$7.5 \cdot 10^n = 0.00075$$

- 9) How many times greater is  $3 \cdot 10^4$  than  $3 \cdot 10^1$ ?

- 10) A number one hundred times less than  $9.2 \cdot 10^{-3}$  would have an exponent of what number when expressed in scientific notation?