



Build Numbers through Hundred Billions

TAKS Objectives 1, 2, 6
TEKS 5.1A, 5.5A, 5.14A

Solve.

1. In 2005, there were 72,500,000,000 kilograms of bananas grown worldwide. Write the number of kilograms of bananas in word form.

3. Scientists have estimated the expected life span of the sun to be ten billion years. In writing this number for a report, Karen wrote a one followed by 9 zeros. Explain what she did wrong. What is the correct way to write this number?

5. The inventory report for a school supply warehouse shows that it has 6 pallets with 10,000 pencils each, 3 cartons with 1,000 pencils each, and 8 boxes of 100 pencils each. Write the total number of pencils the warehouse has in expanded form and in standard form.

2. In 2004, there were 254 billion pounds of sweet potatoes grown worldwide. Write the number of pounds of sweet potatoes in standard form.

4. Sinope is one of Jupiter's moons. Its distance from Jupiter is $(1 \times 10,000,000) + (4 \times 1,000,000) + (7 \times 100,000) + (2 \times 10,000) + (6 \times 1,000) + (5 \times 100)$ miles. Write this distance in standard form and in word form.

6. A carton contains 12 thousand paper clips. How many cartons would be needed for 12 billion paper clips? Use place value to explain your answer.
