

It seems like that might take a long time, though, and could get tedious. If we could find a pattern, we might find a more efficient way to solve the problem. Notice that in order to get from day 1 to day 14, we would be increasing by two 13 times. So the number of crunches done on day 14 would be equal to the number of crunches done on day one, 3, plus $2 \cdot 13$.

$$\begin{aligned}3 + 2(13) &= 3 + 26 \\ &= 29\end{aligned}$$

1.R.1 Exercises

Concept Check

True/False. Determine whether each statement is true or false. If a statement is false, explain how it can be changed so the statement will be true. (**Note:** There may be more than one acceptable change.)

1. 56,317 can be written as $56,000 + 300 + 17$ in expanded notation.
2. 42,360 can be written as forty-two thousand, three hundred sixty.
3. The word “and” is not used when reading or writing whole numbers.

Practice

4. Write 1892 in expanded notation.
5. Write 683,100 in words.
6. Write four hundred thousand, seven hundred thirty-six in standard notation.

Applications

Solve.

7. The largest lake in the United States is Lake Superior. It takes up an area of 82,103 square kilometers. Write 82,103 in words.

8. The largest collection of Joker playing cards consists of eight thousand, five hundred twenty cards amassed by Tony De Santis after inheriting a two thousand piece collection from the magician Fernando Riccardi. Write eight thousand, five hundred twenty in standard form.

Writing & Thinking

9. How are natural numbers and whole numbers different and how are they the same?

10. When are hyphens used to write numbers in English words?

