






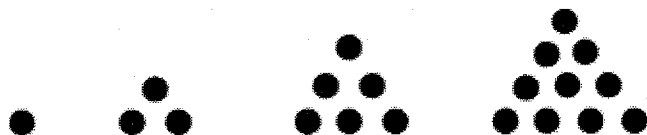
Chapter 1 Part 1 Quiz REVIEW

- Identify a possible pattern. Use the pattern to write the next three numbers.
172, 159, 146, ...
- Ian planted crocuses in his garden. Crocuses have bulbs that divide and reproduce underground. The first year, Ian's garden produced 8 bulbs, the second year it produced 16 bulbs, and the third year it produced 32 bulbs. If this pattern were to continue, how many bulbs would Ian expect in the fourth year?
A. 64 B. 56 C. 40 D. 48

Find the next three figures that will continue the pattern.

3. 
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- The dots below illustrate triangular numbers.

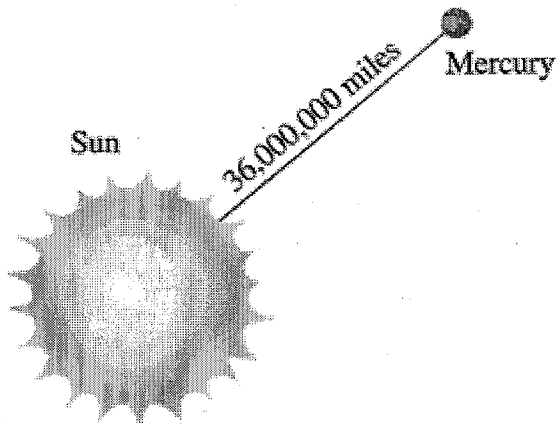


Triangular numbers form the sequence: 1, 3, 6, 10 What is the ninth term in this sequence?

- 36 B. 55 C. 64 D. 45
- Find the value of 2^5 .
 - Find the value of 8^1 .
 - Find the value of 5^3 .
 - Order the numbers 5^2 , 8, 2^6 , 6^2 , 7^1 from least to greatest.
 - Write 845,000 in scientific notation.
 - Write 88,000,000 in scientific notation.
 - Write 46,200 in scientific notation.
 - Write the number 12 using an exponent and base 12.
 - Write the number 49 using an exponent and base 7.
 - What is 380,000 written in scientific notation?
 - A comet is about 4.42×10^8 miles from Earth. Write this number in standard form.

Copy and complete the statement using $<$, $>$, or $=$.

16. 100 ? 2^7
17. Which of the following is NOT true?
A. $2^3 > 3^2$ B. $3^4 > 4^3$ C. $2^5 > 5^2$ D. $2^4 = 4^2$
18. Write 32 in exponential form.
A. 2^5 B. 4^4 C. 2^4 D. 4^3
- 19.



- Which choice is equal to the distance from Mars to the Sun?
- A. 3.6×10^7 miles B. 3.6×10^6 miles
C. 36×10^8 miles D. thirty-six hundred thousand miles
20. When Hanna finished a chemistry calculation, the number in the calculator display was 2.8×10^5 . What is the standard form of this calculation?
21. The land area of Canada is approximately 3.85×10^6 square miles. What is the standard form of this number?