

Writing and Evaluating Expressions

1. Do 10^3 and 10×3 mean the same thing? Explain your answer.
2. A store has 5 bags of toy cars and another 20 toy cars. Each bag contains 150 toy cars. How many toy cars does the store have all together? Show your work.

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3. Rodarius has 3 bags of candies with 25 candies in each bag and another 12 candies that are not in a bag. Write an expression for the total number of candies that Rodarius has and find how many candies Rodarius has.
4. Sequoia has 5 boxes of cookies with C cookies in each box and another 7 cookies that are not in a box. Write an expression for the total number of cookies that Sequoia has.
5. Describe a situation about blocks where the total number of blocks is $2 + 6 \cdot 8$.
6. If there are B blocks in each bag, describe a situation about blocks where the total number of blocks is $5B + 3$.
7. Evaluate $5B + 3$ when $B = 4$.
8. Evaluate $5 - B + 3$ when $B = 4$.
9. Istabrag has 3 boxes of cookies and 5 more cookies. Each box has C cookies.
 - (a) Draw a picture showing Istabrag's cookies.
 - (b) Write an expression for the number of cookies Istabrag has.
 - (c) Find the number of cookies that Istabrag has if $C = 12$.
 - (d) Find the number of cookies that Istabrag has if $C = 18$.
10. Describe a situation about blocks where the total number of blocks is $4 + 9 \cdot 5$.
11. Evaluate $6B + 1$ when $B = 5$.
12. Evaluate $6 - B + 1$ when $B = 5$.
13. Clevere has 5 bags of candies and 12 more candies. Each bag has B candies.
 - (a) Draw a picture showing Clevere's candies.
 - (b) Write an expression for the number of candies Clevere has.
 - (c) Find the number of candies that Clevere has if $B = 36$. Remember: B is the number of candies in each bag.
 - (d) Find the number of candies that Clevere has if $B = 40$. Remember: B is the number of candies in each bag.
14. Taryn has 4 boxes of cookies and 2 more cookies. Each box has C cookies. Write an expression for the total number of cookies Taryn has.
15. Tickets for today's CMS football game cost \$3 for adults and \$2 for students. How much will it cost for 3 adults and 5 students to attend the game? Show your work.