

Name \_\_\_\_\_

# Using Variables to Write Expressions

Write each algebraic expression.

1. 5 more than a number  $s$  \_\_\_\_\_
2. twice a number  $k$  \_\_\_\_\_
3. 17 less than a number  $g$  \_\_\_\_\_
4. the product of 8 and a number  $p$  \_\_\_\_\_
5. 84 divided by a number  $z$  \_\_\_\_\_
6. the sum of a number  $t$  and 31 \_\_\_\_\_
7. 7 more tickets than a number  $m$  \_\_\_\_\_
8. 21 fewer stars than three times a number  $h$  \_\_\_\_\_
9. Cassie has \$12. She buys a balloon. Which expression shows how much money Cassie has left?
  - A  $b + 12$
  - B  $12 - b$
  - C  $12b$
  - D  $b \div 12$
10. A theater has main floor and box seating. The main floor can seat 14 people in each row. Another 20 people can sit in the box seats. Which expression shows how many people can be seated in the theater?
  - A  $20f - 14$
  - B  $20f + 14$
  - C  $14f - 20$
  - D  $14f + 20$
11. Heather bought enough shells to make  $x$  necklaces. Each necklace holds 16 shells. Heather has made 10 necklaces. Is  $16x + 10$  a reasonable way to represent the number of shells that Heather has left to make necklaces with? Explain your answer.  
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