Introduction to Algebra

Puzzles, Twisters & Teasers: Between Meals

What did the boat do after breakfast?

Circle each correct answer. Then put the letter above the correct answer in the box.

1. Which of the following is an algebraic expression?

L	**C**	**N**	**D**
$25x$	$0.25 \cdot 8$	$13 + 6 - 9$	$\dfrac{3}{4}$

2. Which of the following is NOT an algebraic expression?

T	**M**	**C**	**A**
$w + 7$	$15y$	$24 - g$	$250 - 135 \cdot 2$

3. In the following equation, which symbol is the variable?
   $x \cdot 2 = 6$

U	**H**	**O**	**A**	**W**
x	$\cdot$	2	$=$	6

4. Evaluate the expression for the given value of the variable.
   $x \cdot 9$ or $9x$ for $x = 3$

A	**E**	**N**
3	12	27

5. Solve the equation to find the value of the variable.
   $3n - 1 = 29$

S	**C**	**P**
9	10	11

6. Which algebraic equation best describes the following question?

   If a kangaroo can leap 6 feet, how many leaps will it take for her to travel 72 feet?

H	**J**	**T**
$6x = 72$	$6 + 72 = x$	$72x = 6$