

Name \_\_\_\_\_

## Secrets of the Silver Lagoon

**Directions:** Solve each problem or decide if the statement is true. Use your knowledge of order of operations and balancing both sides of an equation.

1) Simple Start:  $2x + 7 = 17$  ( $x = \underline{\hspace{2cm}}$ )

2) Bridge Builders: Each builder earns the same pay. If 4 builders earn a total of \$200, how much does each earn? ( $x = \underline{\hspace{2cm}}$ )

3) The Fisher's Catch: A fisherman caught  $x$  fish on Monday and 8 on Tuesday for a total of 26 fish. ( $x = \underline{\hspace{2cm}}$ )

4) Treasure Trade:  $5x - 10 = 15$  ( $x = \underline{\hspace{2cm}}$ )

5) Gem Riddle:  $(3x + 9) \div 3 = 10$  ( $x = \underline{\hspace{2cm}}$ )

6) Mysterious Equation:  $18 = x + 4 \times 3$  ( $x = \underline{\hspace{2cm}}$ )

7) Hidden Balance:  $7x = 56$  ( $x = \underline{\hspace{2cm}}$ )

8) Market Puzzle:  $(2x - 4) \div 2 = 6$  ( $x = \underline{\hspace{2cm}}$ )

9) Coconut Crates: There are 6 crates, each with the same number of coconuts. If there are 54 coconuts in total, how many per crate? ( $x = \underline{\hspace{2cm}}$ )

10) Broken Compass:  $(x \div 4) + 5 = 12$  ( $x = \underline{\hspace{2cm}}$ )

11) True or False:  $3x + 4 = 16$  when  $x = 4 \rightarrow \underline{\hspace{2cm}}$

