

MY Homework**Lesson 9****Solve Multi-Step Word Problems**

Process 2 Use Algebra Write an equation to solve each problem.
Use a variable for the unknown.

1. Nasser's mom gave him AED 30. He earned another AED 12 completing chores. Nasser spent AED 15 at the movie theater and AED 6 on lunch. How much money does Nasser have?

AED

2. The cafeteria ordered 400 paper plates. They used 226 at breakfast. They bought 100 more. Then, they used some plates for lunch. Now there are 78 plates. How many plates did they use at lunch?

 plates

3. Hyam's family has AED 150 to spend at the beach for the day. It cost them AED 75 to rent a boat and AED 35 for lunch. How much money do they have now?

AED **Vocabulary Check**

Complete each sentence using the words below.

equation variable

4. A(n) _____ is a symbol, usually a letter, that is used to represent an unknown, or an amount that has not been identified.
5. A(n) _____ is a sentence that contains an equals sign (=), showing that both sides of the equals sign are equal.

Test Practice

6. There are 367 boxes of biscuit at the grocery store. On Monday, 126 boxes are sold and on Tuesday, 92 boxes are sold. On Wednesday, 203 more boxes are delivered. How many boxes are there now? Which equation represents this situation?

- (A) $367 + 126 + 92 - 203 = b$ (B) $367 - 126 - 92 + 203 = b$
(C) $367 + 126 - 92 + 203 = b$ (D) $367 + 126 - 92 + b = 203$