

**Module 2 - Topic C, Lesson 23:
Solving Equations Using Algebra (P)****Direction:** Read, understand and analyze each problem.

1.) The art teacher has 6 packages of brushes and 8 single brushes. Each package has the same number of brushes. In all, he has 80 brushes for his students to use. How many brushes are in a package?

- What is asked (Select one)?
 - The number of brushes in each package.
 - The number of package of brushes.
- What are given?
 - There are _____ packages of brushes.
 - There are also _____ single brushes.
 - There are also _____ brushes in all.
- Complete the equation and solution.

$$6x + 8 = 80$$

$$\underline{\hspace{2cm}} x = 80 - \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} x = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}}$$

- What is the final answer?

There are _____ brushes in each package.