

1. In the textbook: Read Big Idea 2 on pp. 19-26.

Restate each of the three Essential Understandings in your own words. Give your own example of each.

2. Use the 4-step problem solving process to solve this problem. Use the scoring rubric as a guide. Evaluate your solution on the scoring guide and attach one to your paper.

A 48-inch steel rod is cut into two pieces. If the length of one piece is $\frac{1}{5}$ the length of the other piece, how many inches long is the longer piece?

3. Skills Practice

- a. Determine whether each number is odd or even.

i. 4513

ii. 0

- b. List all the square numbers between 0 and 101.

- c. Is each number prime or composite?

80

29

2

- d. List all the factors of 12.

- e. List five multiples of 6.

$$123_{\text{ten}} = \underline{\hspace{2cm}}_{\text{six}}$$

$$235_{\text{six}} = \underline{\hspace{2cm}}_{\text{ten}}$$

4. Turn in the completed worksheet called "Base Six Chart."