

Be sure to show all of your work and label your answer. Do your best thinking!

1 Study these problems.  $\square 2 = 4$        $\square 5 = 25$        $\square 9 = 81$

A) Explain what  $\square$  means. \_\_\_\_\_

B) What number is equal to  $\square 6$ ? \_\_\_\_\_

C) What number does  $\square 12$  represent? \_\_\_\_\_

2 I am a number between 40 and 50. I am a multiple of 3.  
I am also a multiple of 7. What number am I?

3 Arrange these multiplications in order of their products, from least to greatest.

$7 \times 6$	$5 \times 9$	
$8 \times 5$	$9 \times 7$	$7 \times 7$
$4 \times 12$	$6 \times 6$	

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

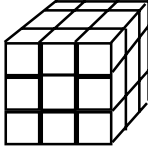
5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

4 A block of wood is cut as shown. How many small cubes are there?

Explain how you arrived at your answer.



5 A fathom is a unit of measure equal to 6 feet.

A) How many fathoms are in 54 feet? \_\_\_\_\_

B) A song by William Shakespeare begins, "Full fathom five thy father lies..."  
What might Shakespeare have meant by *full fathom five*?