Place Value and Expanded Form Guided Lesson Explanation

Explanation to #1

Step 1) Identify what is being asked of you.

We have to identify the numbers that are less than 588.

Step 2) Let's find out how many numbers are there:

(486)   (256)   869   746   888   (356)

The following numbers are less than or below 588.

486

256

356

Explanation to #2

685 in expanded form would have 6 hundreds, 8 tens, and 5 ones. The

second choice seems to match that format.

500 + 80 + 5   [ ]

600 + 80 + 5   [✓]

600 + 50 + 8   [ ]

600 + 80 + 8   [ ]

685 = 600 + 80 + 5

This one is the right answer. You can also check by adding all the numbers together.

Explanation to #3

Consider the number 986. Arrange the digits in a place value chart.

9 hundreds, 8 tens, and 6 ones.

Hundred	Tens	Ones
9	8	6

From the chart above, we see that:

the value of 9 is $9 \times 100 =$ 900

the value of 8 is 8×10 $=$ 80

the value of 6 is 6×1 $=$ 6

Therefore, the expanded form of the number 986 is 900 + 80 + 6.