Name: _____ Date: _____

VALUE CHALLENGE

Identifying the Value of Digits up to 12-Digit Numbers

Directions: Read each question carefully. Identify the value of the digit or answer what is being asked. Write your answer on the line.

PLACE VALUE CHART (UP TO 12 DIGITS)

Hundred Billions	Ten Billions	Billions	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
100,000,000,000	10,000,000,000	1,000,000,000	100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1

1 CHALLENGE 1: IDENTIFY THE VALUE OF THE UNDERLINED DIGIT

The number is 6̲84,305,917,248.

a. The value of the underlined digit 6 (in 684 billion…) = _____

b. The value of the underlined digit 3 (in …305 million…) = _____

c. The value of the underlined digit 9 (in …917 thousand…) = _____

d. The value of the underlined digit 2 (in …248) = _____

2 CHALLENGE 2: REVERSE THINKING

A digit has a value of 70,000,000,000.

In which place is the digit located?

_____

3 CHALLENGE 3: MYSTERY DIGIT

In a 12-digit number:

- One digit has a value of 5,000,000.
- Another digit has a value of 80,000.
- Another digit has a value of 900,000,000,000.

What place values do these digits occupy?

1. 5,000,000 is in the _____ place.
2. 80,000 is in the _____ place.
3. 900,000,000,000 is in the _____ place.

4 CHALLENGE 4: TRUE OR FALSE?

In the number 482,615,703,918, the digit 5 has a greater value than the digit 7.

True or False? _____

Why? _____

_____

5 CHALLENGE 5: VALUE MYSTERY CHALLENGE

A 12-digit number has digits with the following values:

400,000,000,000 + 60,000,000,000 + 7,000,000,000 + 300,000 + 20 + 1

What number could it be?

_____

REFLECTION: Circle the face that shows how you feel about today's activity.

I understood everything! I need a little more practice. I found it hard. I will ask for help.