

NAME _____

DATE _____

Set A7 ★ Independent Worksheet 2



INDEPENDENT WORKSHEET

Inches to the Moon & Other Very Large Numbers

Did you know that it's 15,133,979,520 inches from the earth to the moon? That's fifteen billion, one hundred thirty-three million, nine hundred seventy-nine thousand, five hundred twenty inches!

1 Here's a chart that shows the place value of every digit in the number 15,133,979,520. Use the information on the chart to answer questions a–e below.

100 Billions	10 Billions	Billions	100 Millions	10 Millions	Millions	100 Thousands	10 Thousands	Thousands	Hundreds	Tens	Ones
	1	5	1	3	3	9	7	9	5	2	0

- The digit in the millions place is _____.
- The digit in the ten billions place is _____.
- The digit in the hundred thousands place is _____.
- The digit in the ten billions place is _____.
- Are there any hundred billions in this number? If so, how many? _____

2 If you could measure the distance around the earth with a giant tape measure, how many inches would it be? This chart shows the answer. Use the information on the chart to answer questions a–d.

100 Billions	10 Billions	Billions	100 Millions	10 Millions	Millions	100 Thousands	10 Thousands	Thousands	Hundreds	Tens	Ones
		1	5	7	7	7	2	7	3	6	0

- How far is it around the world in inches? Write the number here with the commas placed correctly.
- Now write the number out in words, the way you'd read to someone over the phone.

(Continued on back.)

Independent Worksheet 2 Inches to the Moon & Other Very Large Numbers (cont.)

2c Are there any ten billions in this number? If so, how many? _____

d The digit in the ten thousands place is _____.

3 Which is greater, the distance around the earth or the distance to the moon? Write the numbers on the lines below. Then put a greater than (>) or less than (<) symbol between them to compare the two.

 Distance to the Moon (inches)

 Distance around the earth (inches)

4 Complete the chart to write and name 4 other very large numbers.

Number	Number Name Written Out in Words
a 735,658,902,456	
b	Sixty-five billion, nine hundred forty-three million, three hundred twenty-seven thousand, one hundred seventy-six
c 34,586,113,042	
d	Four hundred thirty-nine billion, five hundred sixty-two million, three hundred twenty-nine thousand, two hundred fifty-one

e Write the 4 numbers in order from least to greatest on the lines below.

_____ < _____ < _____ < _____