

Warm-up

- Have your homework opened (if it is not open I am assuming it is not done)



10. I am a number between 7 000 000 and 8 000 000.

All my digits are odd.

All the digits in my thousands period are the same.

All the digits in my units period are the same.

The sum of all my digits is 31.

What number am I?

Give as many answers as you can.

What strategies did you use to find the
mystery number?



7 333 555

7 111 777

7 773 333

1. Write in standard form:

a) 4 million 800 thousand 567

4 8 0 0 5 6 7

b) 5 000 000 + 40 000 + 3000 + 91

5 0 4 3 0 9 1

2. Write in written form:

a) 7 000 000 + 50 000 + 300 + 2

Seven million fifty thousand
three hundred two

and

3. Expanded form

a) 8 985 600 021

$$8\,000\,000\,000 + 9\,00\,000\,000 + 5\,000\,000 + 6\,00\,000 + 20 + 1$$

4. Write the number that is 200 000 greater than 289 507 401 (Show work or explain how you know)

$$\begin{array}{r} 200\,000 \\ + 289\,507\,401 \\ \hline 289\,707\,401 \end{array}$$

What about.... 10 000 more than 3 457 000

Word Problems

- Pay attention to wording so you know what operation to use (adding, subtracting, multiplying or dividing)
- Always write your final answer in a sentence.

Example

A school fundraiser raised **24,685 dollars** in the first month, **18,942 dollars** in the second month, and **21,578 dollars** in the third month.

Question: How much money did the fundraiser raise altogether?

$$\begin{array}{r} \overset{1}{2} \overset{2}{4} \overset{2}{6} \overset{1}{8} 5 \\ 18 \ 942 \\ + 21 \ 578 \\ \hline 65 \ 205 \end{array}$$

The fundraiser raised \$65,205 altogether.

Let's try this one

A city library had **95,720 books** at the beginning of the year. During the year, it purchased **12,485 new books** and removed **8,930 damaged books**.

Question: How many books does the library have now?

$$\begin{array}{r} 95,720 \\ + 12,485 \\ \hline 108,205 \end{array}$$

$$\begin{array}{r} 97 \\ 0 \cancel{10} \cancel{8} \quad 11 \cancel{10} \cancel{5} \\ - 8,930 \\ \hline 99,275 \end{array}$$

The library now has 99,275 books.

You try these (you don't have to write the question down)

1. A music festival was attended by **8,425 people** on Friday, **12,380 people** on Saturday, and **10,975 people** on Sunday.

Question: How many people attended the festival over the three days?

2. A factory packages 4,725 water bottles each day. The factory operates for 28 days in a month.

Question: How many water bottles does the factory package in 28 days?

HOMEWORK

- worksheet
- make sure you answer in sentence form
 - > THE ANSWER KEY IS THERE, BUT
YOU HAVE TO SHOW ALL WORK &
ANSWER IN A SENTENCE

