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Standard Form and Expanded Form Worksheets

1) Write the following numbers in standard form.

a) $20 + 5 =$

b) $100 + 30 + 8 =$

2) Help George complete his math assignment question on finding standard form of numbers.



a) $900 + 10 =$

b) $700 + 40 + 6 =$

3) Write the following numbers written in words in their standard form.

a) Three hundred twenty-two -

b) Seven thousand eight hundred and sixty-one -

4) Write the following numbers in standard form.

a) $(1 \times 100) + (8 \times 10) + (3 \times 1) =$

b) $(7 \times 1000) + (3 \times 100) + (4 \times 10) + (2 \times 1) =$

- 5) A math quiz was conducted for grade 2 children. Team A was asked the following question. Help the children to find the answer.

This is a 4-digit number. The ones place has the smallest non-zero one-digit number. The hundreds digit is same as the ones digit. The tens place number is 2 more than the first even number. The thousands place number is 1 less than the largest one- digit number.



- 6) Write the following numbers in expanded form.

a) $66 = \underline{\quad} + \underline{\quad}$

b) $991 = \underline{\quad} + \underline{\quad} + \underline{\quad}$

- 7) Fill out the missing numbers to complete the expanded form.

a) $887 = \underline{\quad} + 80 + 7$

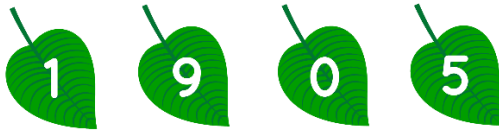
b) $4528 = 4000 + \underline{\quad} + \underline{\quad} + 8$

- 8) Write the expanded form of the following numbers,

a) $3411 =$

b) $53240 =$

9) Find the largest number that can be formed using the numbers on the leaves and write its expanded form.



10) Choose the correct option for the expanded form of the number 90223.

- a) $90000 + 2000 + 20 + 3$
- b) $90000 + 200 + 20 + 3$
- c) $90000 + 2000 + 200 + 20$
- d) $9000 + 200 + 20 + 3$

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	a) 25 b) 138
2)	a) 910 b) 746
3)	a) 322 b) 7861
4)	a) 183 b) 7342
5)	The correct number is 8141.
6)	a) $60 + 6$ b) $900 + 90 + 1$

7)	a) 800 b) 500, 20
8)	a) $3411 = 3000 + 400 + 10 + 1$ b) $53240 = 50000 + 3000 + 200 + 40$
9)	The largest number is 9510. The expanded form is $9000 + 500 + 10$
10)	$90000 + 200 + 20 + 3$

FUN FACT

1. The sum of the place values of all the digits in a number gives the expanded form.
2. A number written in a standard form can be converted to an expanded form and vice versa.
3. To get the place value of a number multiply the digit with the position in the number.

