

Expanded Notation

When you write a number using expanded notation (expanded form), you are giving a value to each digit.

When you write a number in word form you are putting the number into words.

Let's see how the number 365 looks in standard form, expanded form, and word form.

365 (standard form)

three hundred sixty-five (word form)

$300+60+5$ (expanded form)

Write each number in word form and in expanded form.

	<u>Word form</u>	<u>Expanded form</u>
1. 274	_____	_____
2. 932	_____	_____
3. 768	_____	_____
4. 53	_____	_____
5. 1,031	_____	_____
6. 4,675	_____	_____
7. 648	_____	_____
8. 9,862	_____	_____
9. 420	_____	_____
10. 5,555	_____	_____

You may see questions similar to these on a test.

Which of these shows 982 in expanded notation?

- ☐ **A** $900 + 82$
- ☐ **B** $900 + 80 + 2$
- ☐ **C** $980 + 2$
- ☐ **D** $900 + 20 + 8$

Which of the following is another way to write one thousand four hundred fifty-five?

- ☐ **A** 1,545
- ☐ **B** 1,405
- ☐ **C** 1,045
- ☐ **D** 1,455

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Write each number in word form and in expanded form.

	<u>Word form</u>	<u>Expanded form</u>
1. 274	two hundred seventy-four	$200 + 70 + 4$
2. 932	nine hundred thirty-two	$900 + 30 + 2$
3. 768	seven hundred sixty-eight	$700 + 60 + 8$
4. 53	fifty-three	$50 + 3$
5. 1,031	one thousand thirty-one	$1,000 + 30 + 1$
6. 4,675	four thousand six hundred seventy-five	$4,000 + 600 + 70 + 5$
7. 648	six hundred forty-eight	$600 + 40 + 8$
8. 9,862	nine thousand eight hundred sixty-two	$9,000 + 800 + 60 + 2$
9. 420	four hundred twenty	$400 + 20$
10. 5,555	five thousand five hundred fifty-five	$5,000 + 500 + 50 + 5$

You may see questions similar to these on a test.

Which of these shows 982 in expanded notation?	Which of the following is another way to write one thousand four hundred fifty-five?
<input type="radio"/> A $900 + 82$	<input type="radio"/> A 1,545
<input checked="" type="radio"/> B $900 + 80 + 2$	<input type="radio"/> B 1,405
<input type="radio"/> C $980 + 2$	<input type="radio"/> C 1,045
	<input checked="" type="radio"/> D 1,455