





Classwork Only

Exploring Four-Place Numbers

Build a construction with place value blocks.

Estimate the value of your construction. _____

Record the blocks used.





			

Expanded Form

Combined Form

_____ + _____ + _____ + _____ = _____

Record other constructions in the group.

_____ + _____ + _____ + _____ = _____

_____ + _____ + _____ + _____ = _____

_____ + _____ + _____ + _____ = _____

Order the values from smallest to largest:

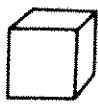



_____, _____, _____, _____

Find the difference between the largest and smallest values. _____

Find the total value. _____

Use the number 4638.

Fill in the table to show different ways to build the number with place value blocks. Write about each way in expanded form.

			
4	6	3	8
4		2	
4		13	
3		3	
	16	2	
	6		28
3		0	
	26	2	

Expanded Form for the Number 4638

$$4000 + 600 + \underline{\quad} + \underline{\quad}$$

$$4000 + \underline{\quad} + 20 + \underline{\quad}$$

$$\underline{\quad} + 500 + \underline{\quad} + 8$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

Show other ways to make 4638.

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

Which way uses the fewest blocks?

How many blocks did you use to build your smallest model? _____
Compare your ways with a friend.

Name _____ Date _____

Fill in the blanks.

$$7285 = \underline{7} \text{ thousands } \underline{\quad} \text{ hundreds } \underline{8} \text{ tens } \underline{\quad} \text{ ones}$$

$$3465 = \underline{\quad} \text{ thousands } \underline{14} \text{ hundreds } \underline{6} \text{ tens } \underline{\quad} \text{ ones}$$

$$9128 = \underline{9} \text{ thousands } \underline{0} \text{ hundreds } \underline{\quad} \text{ tens } \underline{8} \text{ ones}$$

$$6254 = \underline{5} \text{ thousands } \underline{\quad} \text{ hundreds } \underline{5} \text{ tens } \underline{\quad} \text{ ones}$$

$$1087 = \underline{0} \text{ thousands } \underline{\quad} \text{ hundreds } \underline{8} \text{ tens } \underline{\quad} \text{ ones}$$

Find three different ways to show 7192.

$$7192 = \underline{\quad} \text{ thousands } \underline{\quad} \text{ hundreds } \underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$$

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$$7192 = \underline{\quad} \text{ thousands } \underline{\quad} \text{ hundreds } \underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$$

Write each value in combined form.

Combined Form

$$\underline{6} \text{ thousands } \underline{5} \text{ hundreds } \underline{3} \text{ tens } \underline{17} \text{ ones} = \underline{\quad}$$

$$\underline{5} \text{ thousands } \underline{3} \text{ hundreds } \underline{23} \text{ tens } \underline{2} \text{ ones} = \underline{\quad}$$

$$\underline{2} \text{ thousands } \underline{0} \text{ hundreds } \underline{47} \text{ tens } \underline{1} \text{ ones} = \underline{\quad}$$

$$\underline{3} \text{ thousands } \underline{16} \text{ hundreds } \underline{11} \text{ tens } \underline{0} \text{ ones} = \underline{\quad}$$

Put the four numbers above in order from largest to smallest.

_____, _____, _____, _____

Find the value of each expanded form.





$4000 + 300 + 20 + 7 = \underline{\hspace{2cm}}$ $2000 + 500 + 10 + 18 = \underline{\hspace{2cm}}$





$3000 + 2600 + 30 + 6 = \underline{\hspace{2cm}}$ $1000 + 200 + 0 + 26 = \underline{\hspace{2cm}}$

Put the four numbers above in order from smallest to largest.

_____, _____, _____, _____

Fill in the blanks in the table.

				
5	4	16	3	=
3	13	2	6	=
0	24	0	37	=
2	3	4	6	=

				
5	5	6		= 5563
	3	1		= _____
	4	2		= _____
1			16	= _____

Put the four numbers above in order from smallest to largest.

_____, _____, _____, _____

Write three more numbers with a value between the smallest and largest.

_____, _____, _____

Write the value 2 thousands, 24 hundreds, 43 tens, 17 ones in three ways.





_____ thousands _____ hundreds _____ tens _____ ones





_____ thousands _____ hundreds _____ tens _____ ones

_____ thousands _____ hundreds _____ tens _____ ones

A Place Value Table

Fill in the place value table. Look for a pattern.

Tens				
1 ten =			1	0
2 tens =				
9 tens =				
10 tens =				
15 tens =				
20 tens =				
25 tens =				
73 tens =				
100 tens =				
109 tens =				
110 tens =				
150 tens =				
230 tens =				
347 tens =				
857 tens =				
934 tens =				

Hundreds				
1 hundred =		1	0	0
2 hundreds =				
9 hundreds =				
10 hundreds =				
12 hundreds =				
20 hundreds =				
35 hundreds =				
98 hundreds =				
100 hundreds =				
106 hundreds =				
110 hundreds =				
130 hundreds =				
670 hundreds =				
788 hundreds =				
857 hundreds =				
934 hundreds =				