

# NS4-5: Representation in Expanded Form

Steps for drawing a thousands cube:

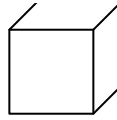
Step 1:

Draw a square.



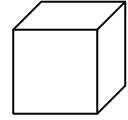
Step 2:

Draw lines from its three vertices.



Step 3:

Join the lines.



1. Represent the given numbers with the base ten blocks in the place value chart. The first one has been started for you.

	Number	Thousands	Hundreds	Tens	Ones
a)	2314				
b)	1245				
c)	3143				

2. Write the numbers for the given base ten blocks.

	Thousands	Hundreds	Tens	Ones	Number
a)					_____
b)					_____

3. Expand the following numbers using numerals and words. The first one is done for you.

a)  $2427 = \underline{2}$  thousands +  $\underline{4}$  hundreds +  $\underline{2}$  tens +  $\underline{7}$  ones

b)  $4569 = \underline{\quad}$  thousands +  $\underline{\quad}$  hundreds +  $\underline{\quad}$  tens +  $\underline{\quad}$  ones

c)  $3875 = \underline{\hspace{10cm}}$

d)  $7210 = \underline{\hspace{10cm}}$

e)  $623 = \underline{\hspace{10cm}}$

4. Write the number in expanded form (using numerals). The first one is done for you.

a)  $2613 = 2000 + 600 + 10 + 3$

b)  $27 =$

c)  $48 =$

d)  $1232 =$

e)  $6103 =$

f)  $3570 =$

g)  $598 =$

h)  $2901 =$

5. Write the number for each sum.

a)  $30 + 6 =$

b)  $50 + 2 =$

c)  $60 + 5 =$

d)  $400 + 60 + 8 =$

e)  $500 + 20 + 3 =$

f)  $3000 + 200 + 50 + 3 =$

g)  $5000 + 700 + 20 + 1 =$

h)  $600 + 40 + 5 =$

i)  $8000 + 900 + 70 + 2 =$

**BONUS**

j)  $600 + 7 =$

k)  $900 + 6 =$

l)  $800 + 70 =$

m)  $5000 + 100 =$

n)  $5000 + 20 =$

o)  $6000 + 2 =$

p)  $8000 + 10 + 3 =$

q)  $9000 + 4 =$

r)  $4000 + 100 + 5 =$

s)  $6000 + 300 + 20 =$

t)  $8000 + 200 =$

u)  $3000 + 10 =$

6. Find the missing numbers.

a)  $200 + 70 + \underline{\hspace{2cm}} = 273$

b)  $300 + \underline{\hspace{2cm}} + 6 = 386$

c)  $6000 + 800 + \underline{\hspace{2cm}} + 7 = 6827$

d)  $1000 + 400 + \underline{\hspace{2cm}} + 5 = 1475$

e)  $9000 + \underline{\hspace{2cm}} + 20 + 5 = 9825$

f)  $5000 + \underline{\hspace{2cm}} + 60 + 3 = 5263$

**BONUS**

g)  $7000 + 200 + \underline{\hspace{2cm}} = 7202$

h)  $6000 + 300 + \underline{\hspace{2cm}} = 6320$

i)  $\underline{\hspace{2cm}} + 300 = 7300$

j)  $6000 + \underline{\hspace{2cm}} = 6080$

k)  $9000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 9260$

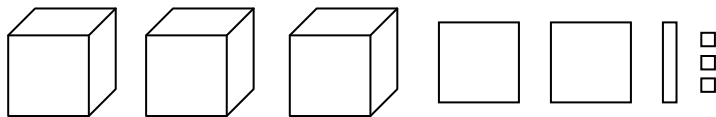
l)  $1000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 1703$

m)  $7000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 7021$

n)  $9000 + \underline{\hspace{2cm}} = 9900$

7. Write each number in expanded form. Then draw a base ten model.

*Example:*  $3213 = \boxed{3000 + 200 + 10 + 3}$



a)  $2317 = \boxed{\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}}$

b)  $1446 = \boxed{\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}}$

**BONUS**

8. Feliz has ...

- 1 000 stamps from Canada
- 200 stamps from Portugal
- 30 stamps from Spain
- 9 stamps from Egypt

How many stamps does he have in total? \_\_\_\_\_