

**Grade 4**  
**Strand: B1 – Number Sense**

	<b>Curriculum Expectations</b>	<b>Pages That Cover the Expectations</b>
<b>B1.1</b>	read, represent, compose, and decompose whole numbers up to and including 10 000, using appropriate tools and strategies, and describe various ways they are used in everyday life	3-16
<b>B1.2</b>	compare and order whole numbers up to and including 10 000, in various contexts	17-21
<b>B1.3</b>	round whole numbers to the nearest ten, hundred, or thousand, in various contexts	23-27
<b>B1.4</b>	represent fractions from halves to tenths using drawings, tools, and standard fractional notation, and explain the meanings of the denominator and the numerator	31-41
<b>B1.5</b>	use drawings and models to represent, compare, and order fractions representing the individual portions that result from two different fair-share scenarios involving any combination of 2, 3, 4, 5, 6, 8, and 10 sharers	28-30
<b>B1.6</b>	count to 10 by halves, thirds, fourths, fifths, sixths, eighths, and tenths, with and without the use of tools	42-46, 48
<b>B1.7</b>	read, represent, compare, and order decimal tenths, in various contexts	47,48,49, 51, 52, 53, 54, 55
<b>B1.8</b>	round decimal numbers to the nearest whole number, in various contexts	56-58
<b>B1.9</b>	describe relationships and show equivalences among fractions and decimal tenths, in various contexts	49, 50

Name: \_\_\_\_\_

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# Place Value Chart

3937

Thousands	Hundreds	Tens	Ones
3	9	3	7

## Part 1

Fill in the Place Value Charts below

1) 4 287

Thousands	Hundreds	Tens	Ones

2) 2 142

Thousands	Hundreds	Tens	Ones

3) 6 843

Thousands	Hundreds	Tens	Ones

4) 7 483

Thousands	Hundreds	Tens	Ones

5) 3 659

Thousands	Hundreds	Tens	Ones

6) 9 684

Thousands	Hundreds	Tens	Ones

## Part 2

Which place value is the underlined number?

1) 3575

Tens

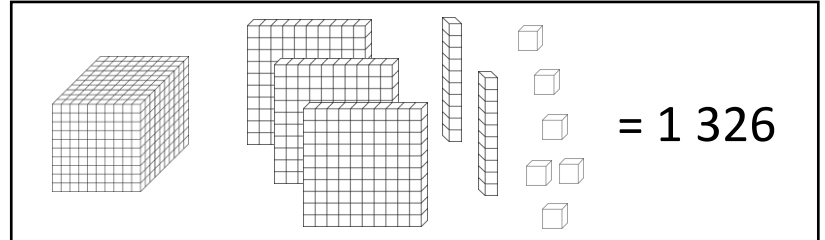
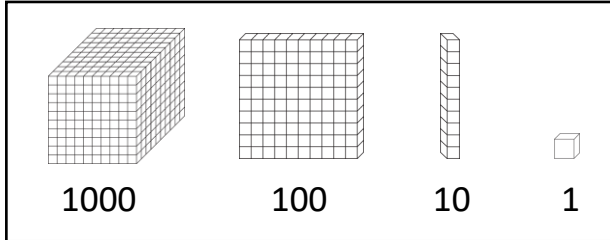
2) 51843) 21384) 83215) 28396) 95627) 29628) 53549) 9303

Name: \_\_\_\_\_

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Curriculum Connection  
B1.1

# Base Ten Blocks



## Part 1

How many blocks do you count?

<p>1.</p> <p>_____</p>	<p>2.</p> <p>_____</p>
<p>4.</p> <p>_____</p>	<p>5.</p> <p>_____</p>

## Part 2

Draw the base ten blocks to represent the numbers below

1) 2375

2) 1184

3) 4542

4) 4263

Name: \_\_\_\_\_

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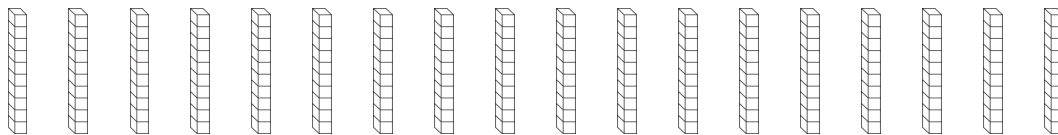
Curriculum Connection  
B1.1

# Skip Counting - Base Ten Blocks

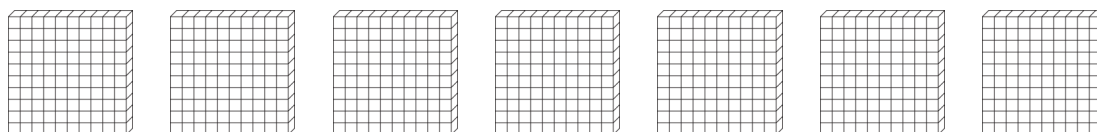
Questions

How many blocks do you count?

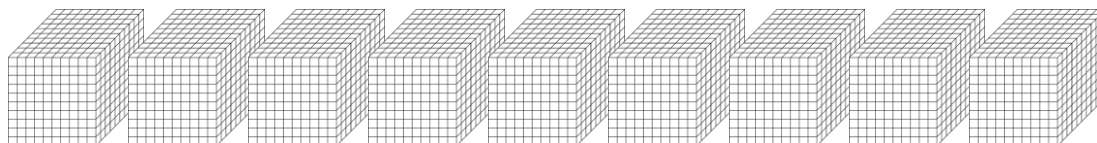
1)



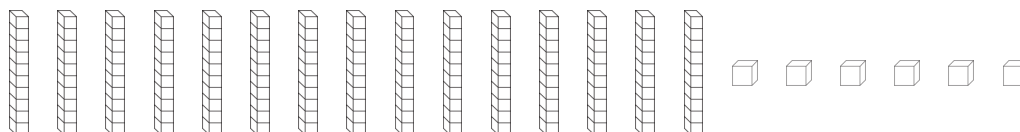
2)



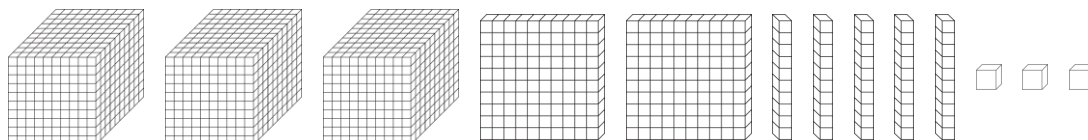
3)



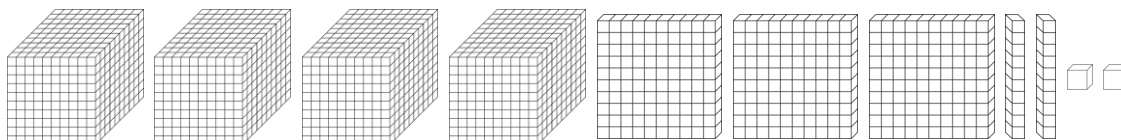
4)



5)



6)



Name: \_\_\_\_\_

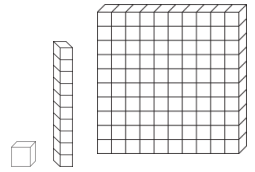
6

Curriculum Connection  
B1.1

## Base Ten Block - Challenge

### Challenge

How many blocks do you count?



Sam and Dan are arguing over who has more blocks. Sam has 3 thousands blocks, 5 hundreds blocks, 5 tens blocks, and 2 ones blocks. Dan has 2 thousands blocks, 14 hundreds blocks, 3 ten blocks, and 6 one blocks.

Dan thinks that because he has more blocks, his total blocks are more than Sam's.

Who has more blocks? Show your work below.

Sam's Blocks: \_\_\_\_\_

Dan's Blocks: \_\_\_\_\_

Who has more blocks? \_\_\_\_\_

### Bonus:

How many more blocks will Sam/Dan need to have the same number of blocks? Draw the blocks below.

Answer: \_\_\_\_\_

Name: \_\_\_\_\_

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Curriculum Connection  
B1.1

# Expanded Form

2 372 ← Standard Form  
2000 + 300 + 70 + 2 ← Expanded Form

## Part 1

What is the standard form of the numbers below?

1) 4000 + 300 + 10 + 4	2) 2000 + 700 + 90 + 6	3) 1000 + 500 + 20 + 9
4) 8000 + 300 + 50 + 8	5) 7000 + 200 + 40 + 5	6) 6000 + 400 + 30 + 6
7) 8000 + 0 + 0 + 8	8) 1000 + 300 + 70 + 0	9) 3000 + 500 + 70 + 2

## Part 2

What is the expanded form of the numbers below?

1) 5445	2) 3524
3) 8064	4) 7309
5) 9286	6) 3246

## Part 3

Fill in the blanks with the missing number

- 1)  $4523 = 4000 + \underline{\hspace{2cm}} + 20 + 3$       2)  $3029 = \underline{\hspace{2cm}} + 0 + 20 + 9$   
3)  $5163 = 5000 + 100 + 60 + \underline{\hspace{2cm}}$       4)  $2460 = \underline{\hspace{2cm}} + 400 + \underline{\hspace{2cm}} + 0$

Name: \_\_\_\_\_

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Curriculum Connection  
B1.1

# Written Form

1 – One	5 – Five	9 – Nine	13 – Thirteen	17 – Seventeen	30 – Thirty	70 – Seventy
2 – Two	6 – Six	10 – Ten	14 – Fourteen	18 – Eighteen	40 – Forty	80 – Eighty
3 – Three	7 – Seven	11 – Eleven	15 – Fifteen	19 – Nineteen	50 – Fifty	90 – Ninety
4 – Four	8 – Eight	12 – Twelve	16 – Sixteen	20 – Twenty	60 – Sixty	100 – Hundred
						1000 – Thousand

**Part 1**

Write the standard form of the written words below

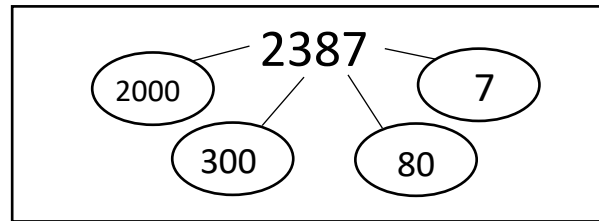
1) Two thousand three hundred thirty-six	2) Four thousand two hundred sixty-three
3) Seven thousand one hundred fifteen	4) Six thousand twenty-eight
5) Three thousand four hundred forty-nine	6) One thousand one hundred thirty-three

**Part 2**

Write the written form of the numbers below

1) 1234
2) 3362
3) 6431
4) 9523
5) 2206

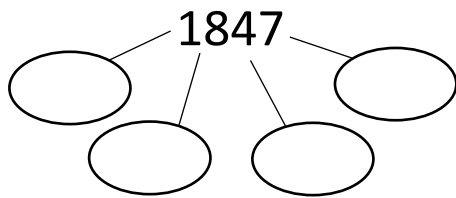
# Decomposing Numbers



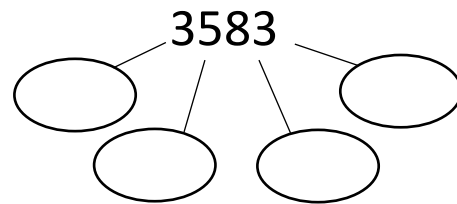
## Questions

Decompose the numbers below

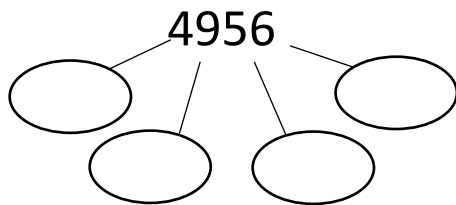
1)



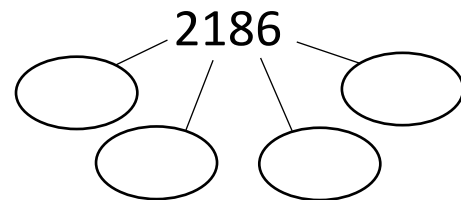
2)



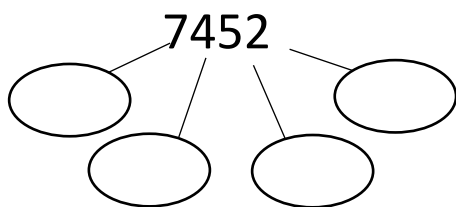
3)



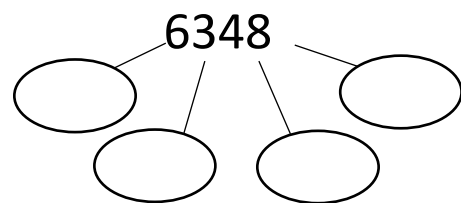
4)



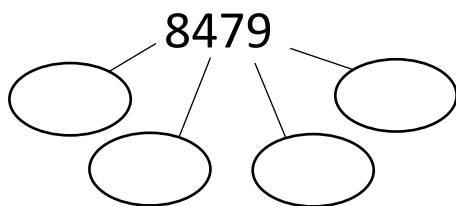
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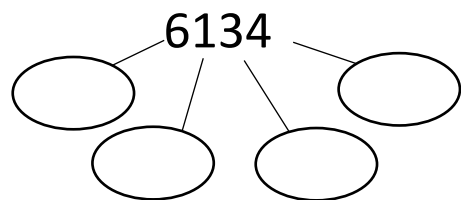
6)



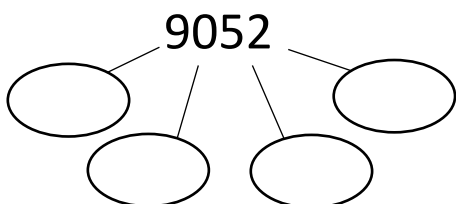
7)



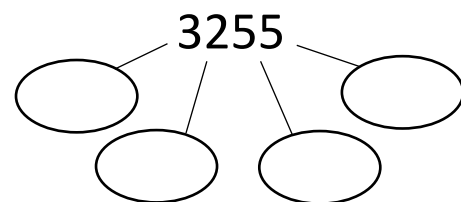
8)



9)



10)





Name: \_\_\_\_\_

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Curriculum Connection  
B1.1

# Composing Numbers

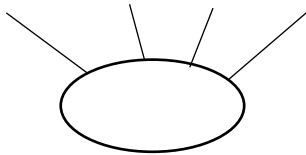
3000 500 70 5

3575

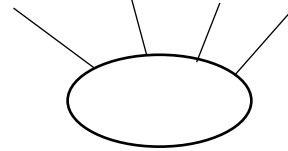
## Questions

Compose the numbers below

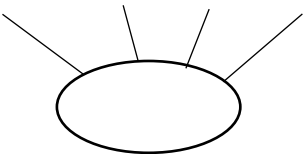
1) 5000 700 80 6



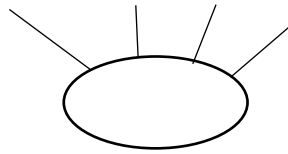
2) 1000 100 30 3



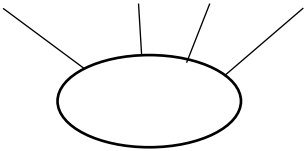
3) 3000 200 40 7



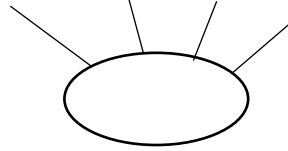
4) 7000 500 30 8



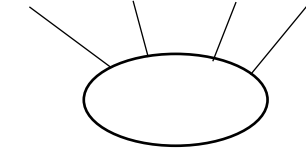
5) 2000 400 60 9



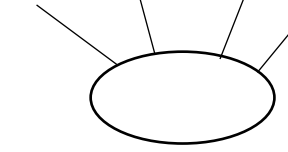
6) 3000 900 60 9



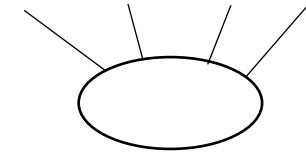
7) 3000 500 70 4



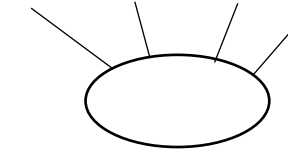
8) 4000 200 20 1



9) 6000 200 40 6



10) 8000 900 40 2



Name: \_\_\_\_\_

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Curriculum Connection  
B1.1

## Place Value Riddles

### Questions

Solve the riddles below

1) Which number has: 6 thousands, 3 hundreds, 3 less tens than hundreds, and 5 more ones than tens?

\_\_\_\_\_

th      hun      tens      ones

2) Which number has 3 ones, 4 hundreds, half as many thousands as hundreds and twice as many tens as hundreds?

3) Which number has 6 thousands, half as many hundreds as thousands, 8 tens and half as many ones as tens.

4) Which number has 9 thousands, 5 tens, four less hundreds than thousands and two less ones than hundreds.

Name: \_\_\_\_\_

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Curriculum Connection  
B1.1

# Place Value Quiz

## Part 1

Fill in the Place Value Charts below

1) 2236

Thou	Hun	Tens	Ones

2) 4363

Thou	Hun	Tens	Ones

3) 4 392

Thou	Hun	Tens	Ones

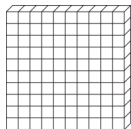
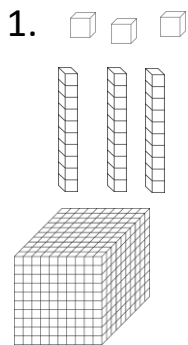
## Part 2

Which place value is the underlined number?

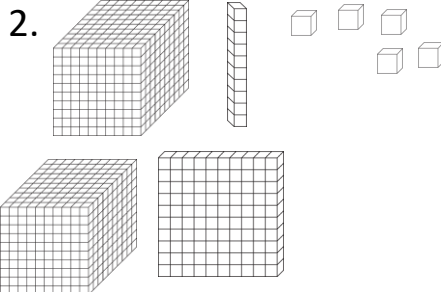
1) 13552) 23283) 41354) 53315) 38866) 9734

## Part 3

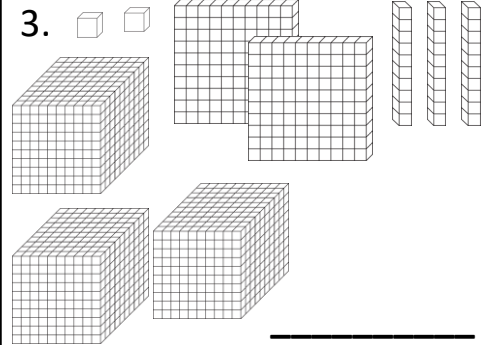
How many blocks do you count?



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

## Part 4

What is the standard form of the numbers below?

1) 2000 + 200 + 20 + 1

2) 5000 + 300 + 60 + 8

3) 9000 + 200 + 4

**Part 5**

What is the expanded form of the numbers below?

1) 3775

2) 2593

3) 5421

4) 6309

**Part 6**

Write the standard form of the written words below

1) Three thousand two hundred thirty-six

2) Four thousand one hundred four

**Part 7**

Write the written form of the numbers below

1) 3234

2) 5617

**Part 8**

Solve the riddles

1) Which number has: 4 thousands, 5 hundreds, 3 less tens than hundreds, and 7 more ones than tens?

2) Which number has 6 ones, 2 hundreds, half as many thousands as hundreds and twice as many tens as hundreds?

Name: **ANSWERS**

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Curriculum Connection  
B1.1

# Place Value Chart

**3937**

Thousands	Hundreds	Tens	Ones
3	9	3	7

**Part 1**

Fill in the Place Value Charts below

1) 4 287

Thousands	Hundreds	Tens	Ones
4	2	8	7

2) 2 142

Thousands	Hundreds	Tens	Ones
2	1	4	2

3) 6 843

Thousands	Hundreds	Tens	Ones
6	8	4	3

4) 7 483

Thousands	Hundreds	Tens	Ones
7	4	8	3

5) 3 659

Thousands	Hundreds	Tens	Ones
3	6	5	9

6) 9 684

Thousands	Hundreds	Tens	Ones
9	6	8	4

**Part 2**

Which place value is the underlined number?

1) 3575

Tens

2) 5184

Ones

3) 2138

Thousands

4) 8321

Thousands

5) 2839

Hundreds

6) 9562

Ones

7) 2962

Hundreds

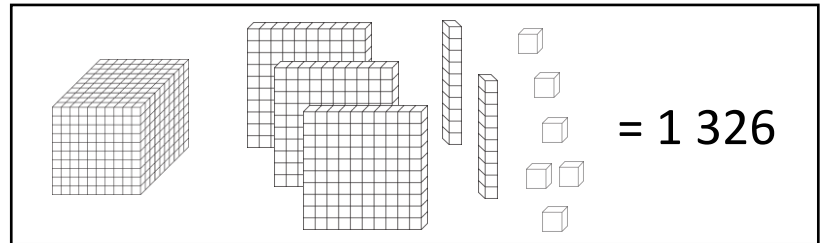
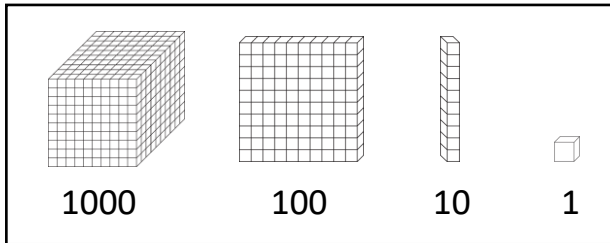
8) 5354

Tens

9) 9303

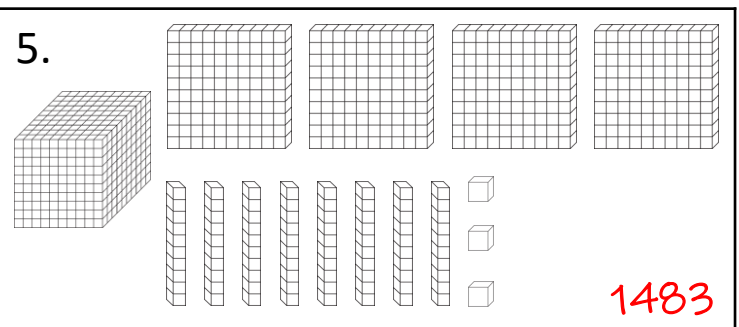
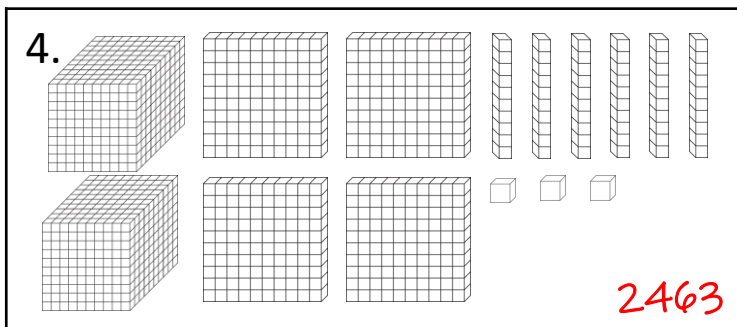
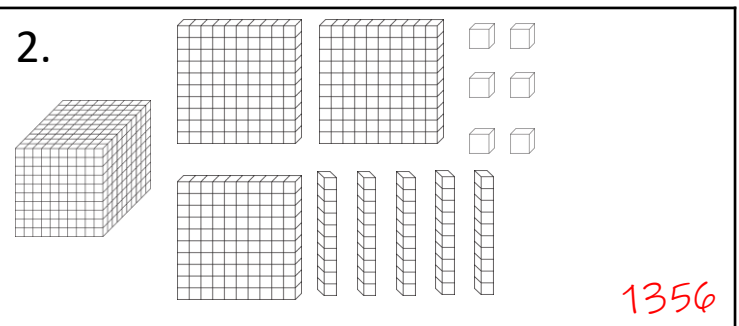
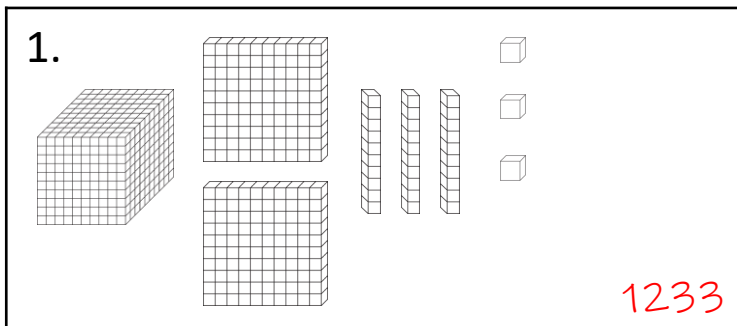
Ones

# Base Ten Blocks



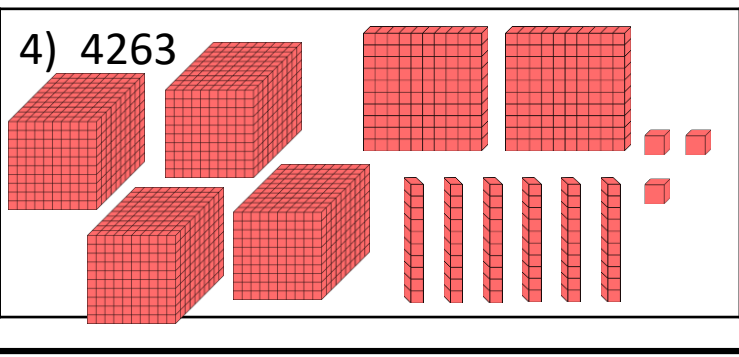
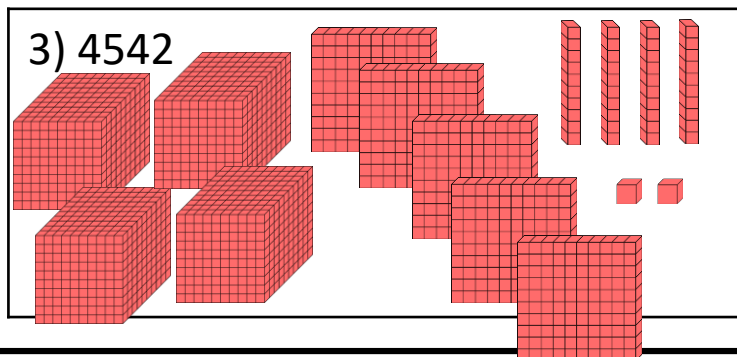
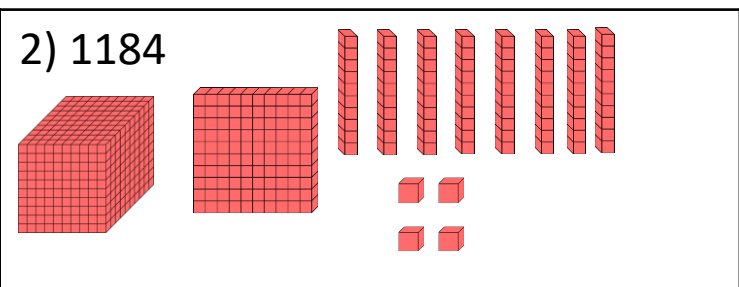
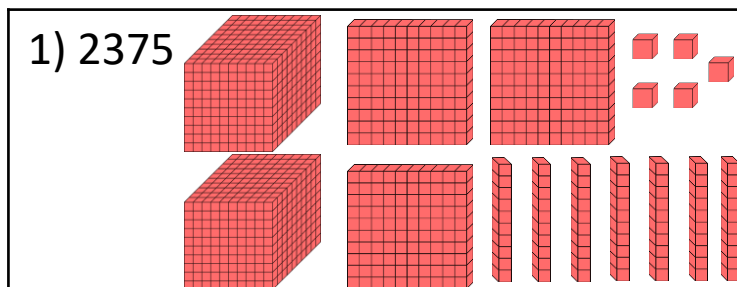
## Part 1

How many blocks do you count?



## Part 2

Draw the base ten blocks to represent the numbers below

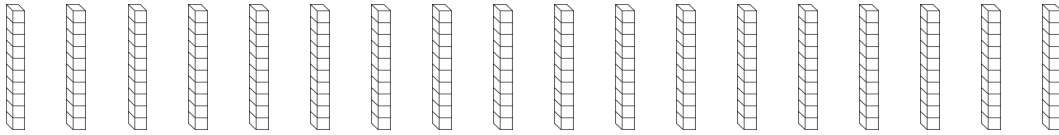


# Skip Counting - Base Ten Blocks

## Questions

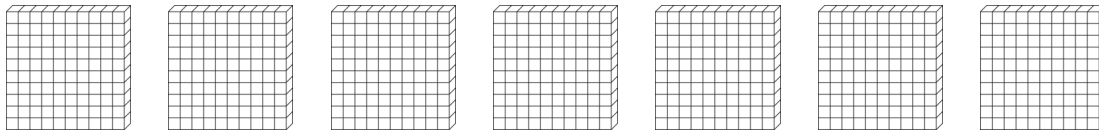
How many blocks do you count?

1)



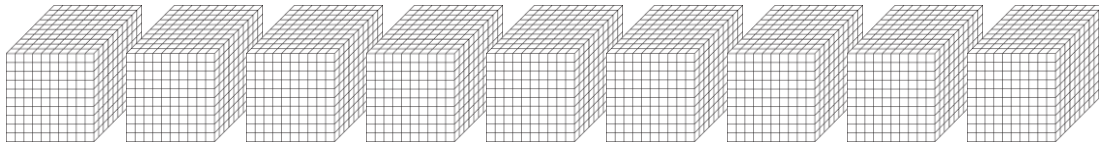
180

2)



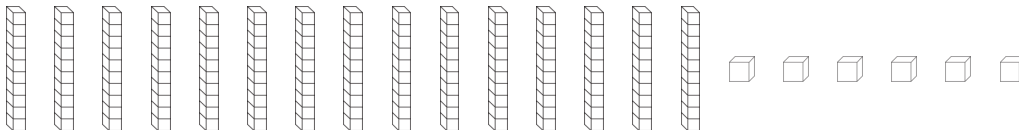
700

3)



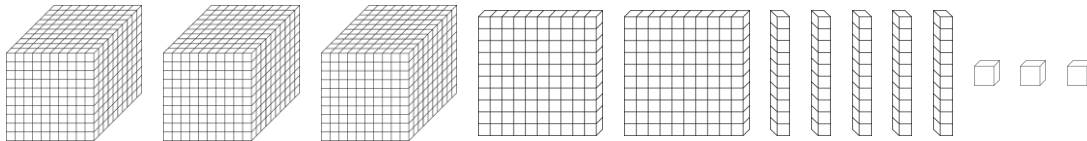
9000

4)



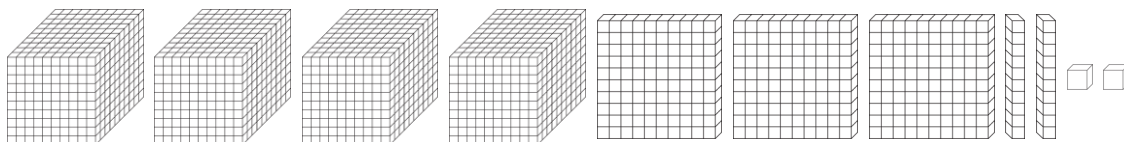
156

5)



3253

6)



4322

Name: **ANSWERS**

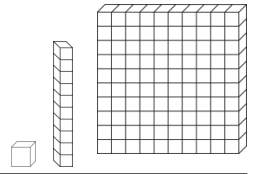
6

Curriculum Connection  
B1.1

## Base Ten Block - Challenge

### Challenge

How many blocks do you count?



Sam and Dan are arguing over who has more blocks. Sam has 3 thousands blocks, 5 hundreds blocks, 5 tens blocks, and 2 ones blocks. Dan has 2 thousands blocks, 14 hundreds blocks, 3 ten blocks, and 6 one blocks.

Dan thinks that because he has more blocks, his total blocks are more than Sam's.

Who has more blocks? Show your work below.

Sam's Blocks: **3552**

Dan's Blocks: **3436**

Who has more blocks? **Sam**

### Bonus:

How many more blocks will Sam/Dan need to have the same number of blocks? Draw the blocks below.

Answer: **116**



# Expanded Form

2 372 ← Standard Form  
2000 + 300 + 70 + 2 ← Expanded Form

**Part 1**

What is the standard form of the numbers below?

1) 4000 + 300 + 10 + 4 <b>4314</b>	2) 2000 + 700 + 90 + 6 <b>2796</b>	3) 1000 + 500 + 20 + 9 <b>1529</b>
4) 8000 + 300 + 50 + 8 <b>8358</b>	5) 7000 + 200 + 40 + 5 <b>7245</b>	6) 6000 + 400 + 30 + 6 <b>6436</b>
7) 8000 + 0 + 0 + 8 <b>8008</b>	8) 1000 + 300 + 70 + 0 <b>1370</b>	9) 3000 + 500 + 70 + 2 <b>3572</b>

**Part 2**

What is the expanded form of the numbers below?

1) 5445 <b>5000+400+40+5</b>	2) 3524 <b>3000+500+20+4</b>
3) 8064 <b>8000+60+4</b>	4) 7309 <b>7000+300+9</b>
5) 9286 <b>9000+200+80+6</b>	6) 3246 <b>3000+200+40+6</b>

**Part 3**

Fill in the blanks with the missing number

- 1) 4523 = 4000 + **500** + 20 + 3      2) 3029 = **3000** + 0 + 20 + 9  
3) 5163 = 5000 + 100 + 60 + **3**      4) 2460 = **2000** + 400 + **60** + 0

Name: **ANSWERS**

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Curriculum Connection  
B1.1

# Written Form

1 – One	5 – Five	9 – Nine	13 – Thirteen	17 – Seventeen	30 – Thirty	70 – Seventy
2 – Two	6 – Six	10 – Ten	14 – Fourteen	18 – Eighteen	40 – Forty	80 – Eighty
3 – Three	7 – Seven	11 – Eleven	15 – Fifteen	19 – Nineteen	50 – Fifty	90 – Ninety
4 – Four	8 – Eight	12 – Twelve	16 – Sixteen	20 – Twenty	60 – Sixty	100 – Hundred
						1000 – Thousand

**Part 1**

Write the standard form of the written words below

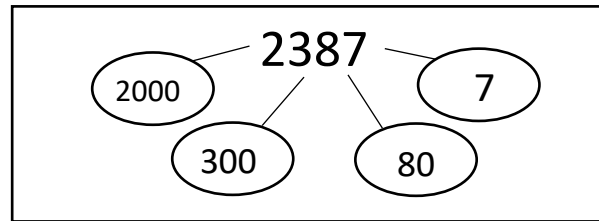
1) Two thousand three hundred thirty-six <b>2336</b>	2) Four thousand two hundred sixty-three <b>4263</b>
3) Seven thousand one hundred fifteen <b>7115</b>	4) Six thousand twenty-eight <b>6028</b>
5) Three thousand four hundred forty-nine <b>3449</b>	6) One thousand one hundred thirty-three <b>1133</b>

**Part 2**

Write the written form of the numbers below

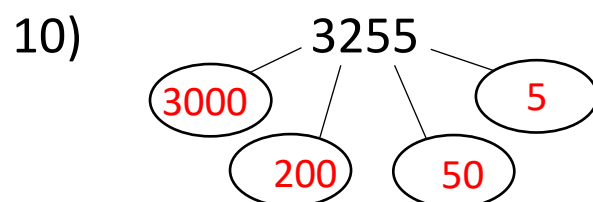
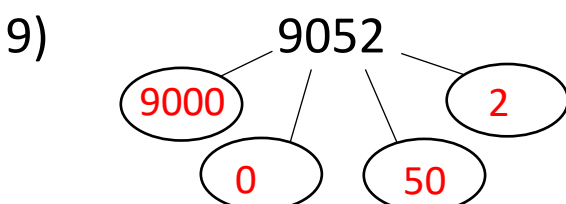
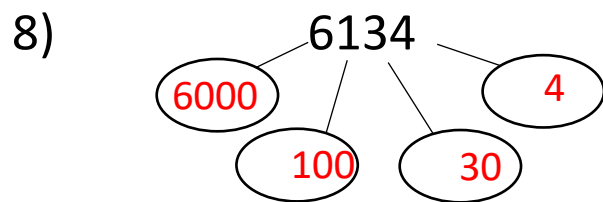
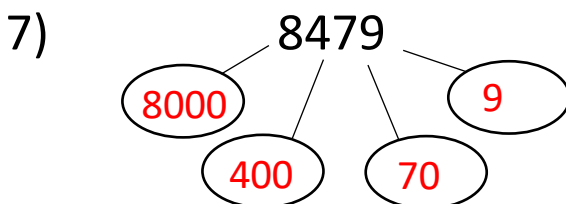
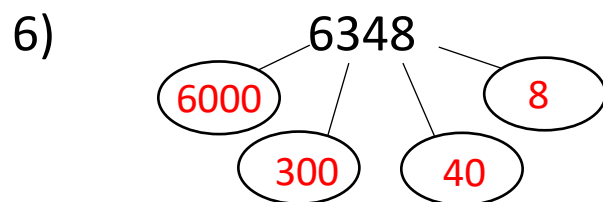
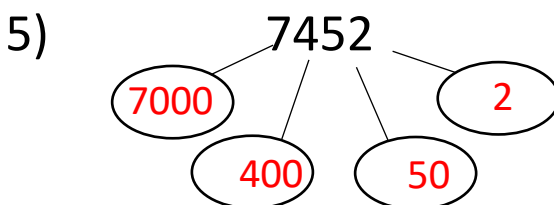
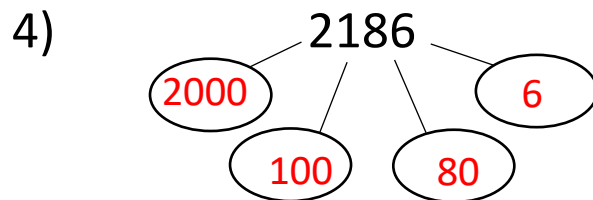
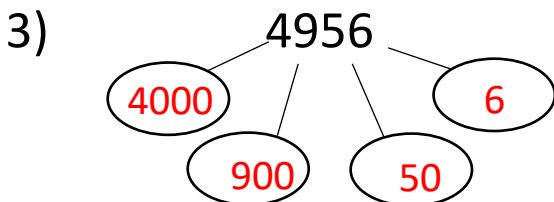
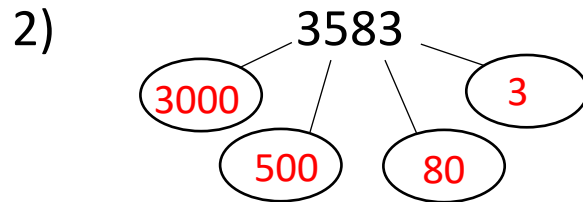
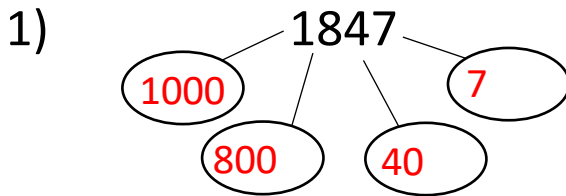
1) 1234 <b>One thousand two hundred thirty-four</b>
2) 3362 <b>Three thousand three hundred sixty-two</b>
3) 6431 <b>Six thousand four hundred thirty-one</b>
4) 9523 <b>Nine thousand five hundred twenty-three</b>
5) 2206 <b>Two thousand two hundred six</b>

# Decomposing Numbers



## Questions

Decompose the numbers below



Name: **ANSWERS**

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Curriculum Connection  
B1.1

# Composing Numbers

3000 500 70 5

3575

## Questions

Compose the numbers below

1) 5000 700 80 6

5786

2) 1000 100 30 3

1133

3) 3000 200 40 7

3247

4) 7000 500 30 8

7538

5) 2000 400 60 9

2469

6) 3000 900 60 9

3969

7) 3000 500 70 4

3574

8) 4000 200 20 1

4221

9) 6000 200 40 6

6246

10) 8000 900 40 2

8942

# Place Value Riddles

**Questions**

Solve the riddles below

1) Which number has: 6 thousands, 3 hundreds, 3 less tens than hundreds, and 5 more ones than tens?

**6305**

_____	_____	_____	_____
th	hun	tens	ones

2) Which number has 3 ones, 4 hundreds, half as many thousands as hundreds and twice as many tens as hundreds?

**2483**

3) Which number has 6 thousands, half as many hundreds as thousands, 8 tens and half as many ones as tens.

**6384**

4) Which number has 9 thousands, 5 tens, four less hundreds than thousands and two less ones than hundreds.

**9153**

# Place Value Quiz

## Part 1

Fill in the Place Value Charts below

1) 2236

Thou	Hun	Tens	Ones
2	2	3	6

2) 4363

Thou	Hun	Tens	Ones
4	3	6	3

3) 4392

Thou	Hun	Tens	Ones
4	3	9	2

## Part 2

Which place value is the underlined number?

1) 1355  
Hundreds

2) 2328  
Ones

3) 4135  
Thousands

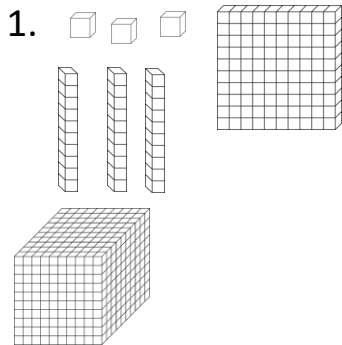
4) 5331  
Thousands

5) 3886  
Hundreds

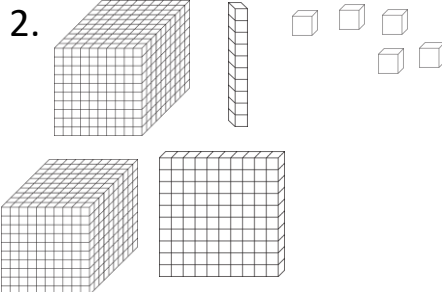
6) 9734  
Ones

## Part 3

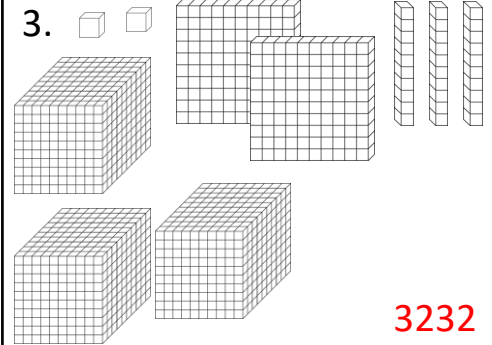
How many blocks do you count?



1133



2115



3232

## Part 4

What is the standard form of the numbers below?

1) 2000 + 200 + 20 + 1  
2221

2) 5000 + 300 + 60 + 8  
5368

3) 9000 + 200 + 4  
9204

## Part 5

What is the expanded form of the numbers below?

1) 3775

 $3000+700+70+5$ 

2) 2593

 $2000+500+90+3$ 

3) 5421

 $5000+400+20+1$ 

4) 6309

 $6000+300+9$ 

## Part 6

Write the standard form of the written words below

1) Three thousand two hundred thirty-six

3236

2) Four thousand one hundred four

4104

## Part 7

Write the written form of the numbers below

1) 3234

Three thousand two hundred thirty-four

2) 5617

Five thousand six hundred seventeen

## Part 8

Solve the riddles

1) Which number has: 4 thousands, 5 hundreds, 3 less tens than hundreds, and 7 more ones than tens?

4529

2) Which number has 6 ones, 2 hundreds, half as many thousands as hundreds and twice as many tens as hundreds?

1246