Name _____

1

a. I am thinking of a secret number. If you **double** it and then multiply by 10, the number you get is 100. Can you tell me what my secret number is?

b. I am thinking of a secret number. If you **double** it and then multiply by 10, the number you get ends in 0. Can you tell me what my secret number is?

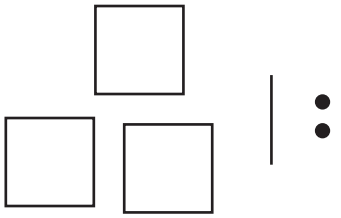
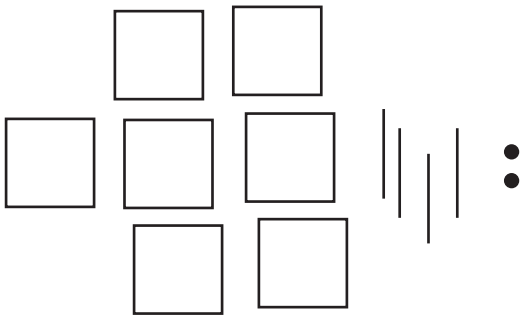
Name _____

Try This

Write 312,742 in word form and in expanded form.

- Model the number using Base Ten Blocks.
- Draw the model and use it to write your answers.

Think: 312 thousands on the left of the comma and 742 ones on the right.

Thousands	Ones
	

Write: Three hundred twelve thousand, seven hundred forty-two.

Think: 300 thousand + 10 thousand + 2 thousand + 700 + 40 + 2.

Write: 300,000 + 10,000 + 2,000 + 700 + 40 + 2

1. Write 523,132 in word form and in expanded form.

Thousands	Ones

Word form: _____

Expanded form: _____

continued on the next page

Name _____

2. Write 25,341 in word form and in expanded form.

Thousands	Ones

Word form: _____

Expanded form: _____

3. Write 8,405 in word form and in expanded form.

Thousands	Ones

Word form: _____

Expanded form: _____

Write the number.

4. Write 129,745 in word form.

_____

continued on the next page

Name _____

5. Write six hundred seven thousand, three hundred twenty-nine in expanded form.

_____

6. Write forty thousand, six hundred fifteen in standard form.

_____

7. Write 3,000 + 800 + 30 + 6 in standard form.

_____

8. Pam's store just received an order of pencils. The shipment contained seven packs of 10 pencils, nine boxes of 100 pencils, and two boxes of 1,000 pencils. How many pencils did she receive?

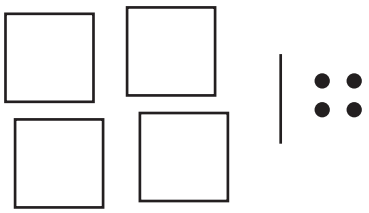
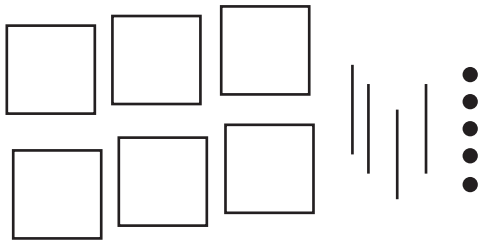
_____

Name _____

Use Base Ten Blocks to build the model. Use the model to complete the problem.

1. Write 414,645 in word form and in expanded form.

Think: 414 thousands on the left of the comma and 645 ones on the right.

Thousands	Ones
	

Word form: _____

Expanded form: _____

Use Base Ten Blocks to model the problem. Draw the model and use it to complete the problem.

2. Write 323,261 in word form and in expanded form.

Thousands	Ones

Word form: _____

Expanded form: _____

continued on the next page

Name _____

3. Write 55,343 in word form and in expanded form.

Thousands	Ones

Word form: _____

Expanded form: _____

4. Write 4,502 in word form and in expanded form.

Thousands	Ones

Word form: _____

Expanded form: _____

continued on the next page

Name _____

Write the number.

5. Write 239,725 in word form.

_____

6. Write five hundred four thousand, three hundred twenty-one in expanded form.

_____

7. Write ten thousand, two hundred twenty-five in standard form.

_____

8. Write 9,000 + 600 + 10 + 4 in standard form.

_____

Name _____

2

a. If you write the numbers 1 to 99, how many 5s do you write?

b. If you were to write 101 to 199, would you write the same number of 5s?

Name _____

Try This

- Use Base Ten Blocks to model the numbers.
- Draw your models.
- Compare the numbers and decide which is greater and which is less.
- Write < or > in the circle.

678 ◯ 413


Think: 6 hundreds are greater than 4 hundreds. So 678 > 413.

1.

486 ◯ 509

2.

274 ◯ 286

continued on the next page

Name _____

Use a < or > sign to compare the numbers.

3. 5,478 ◯ 6,734

4. 54,470 ◯ 34,973

5. 568,721 ◯ 738,915

Answer each question.

6. John read 4,873 minutes over the school year. Sun-Hee read 5,937 minutes. John says that he read more because 73 is more than 37. Is John correct?

_____

How do you know?

_____

_____

7. In 2010, the population of Stockton, California, was 290,912. The population of Anchorage, Alaska, was 291,826. Which city had fewer people?

_____

How do you know?

_____

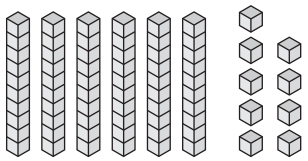
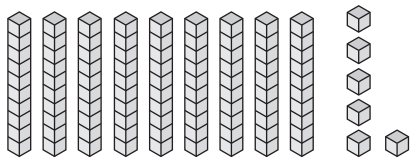
_____

Name _____

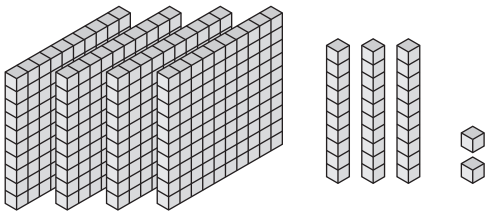
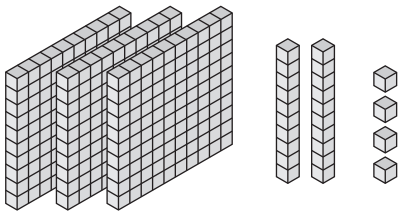
Use Base Ten Blocks to build each number. Compare the numbers.

Write < or > in the ◯.

1.

69	◯	96
		

2.

432	◯	324
		

Use Base Ten Blocks to model each number. Draw the models.

Compare the numbers and write < or > in the ◯.

3.

75	◯	57

continued on the next page

Name _____

4.

681	◯	618

Compare the numbers and write < or > in the ◯.

5. 84 ◯ 83

6. 109 ◯ 351

7. 456 ◯ 465

8. 1,568 ◯ 2,956

9. 4,905 ◯ 4,678

10. 31,731 ◯ 31,745

Name _____

3

Without multiplying, circle the one that is greater and tell how much greater.

a. 7 × 10 7 × 11

b. 42 × 5 40 × 5

c. 301 × 16 300 × 16

d. 194 × 2 194 × 3

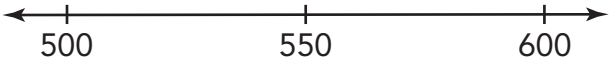
Name _____

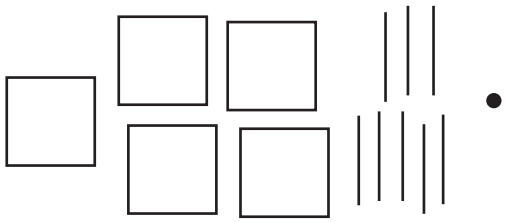
Try This

Harksville School sold 581 books at the book fair. To the nearest hundred, about how many books is this?

- Draw and label a line segment for the problem.
- Use Base Ten Blocks to model the number.
- Use your number line and model to solve the problem.

Think: Round 581 to the nearest hundred.





The nearest hundred is 600.

1. The Chang family traveled 739 miles to Florida. To the nearest hundred, about how many miles is this?

_____

2. Ruth's house is 1,272 feet from the road. Round the number of feet to the nearest hundred and the nearest thousand.

Nearest hundred: _____1,300 feet

Nearest thousand: _____1,000 feet

continued on the next page

Name _____

3. If you round each number in the range 583 to 978 to the nearest hundred, what answers could you get?

_____

Solve the problem.

4. I am a number that rounds to 600. What can I be? Justify your answer.

_____

5. Jeffrey has about 1,000 baseball cards. Marco has 1,140 baseball cards. Is it possible for Jeffrey to have more baseball cards than Marco? Justify your answer.

_____

Round each number to the nearest ten thousand and to the nearest hundred thousand.

6. 222,702

Nearest ten thousand: _____

Nearest hundred thousand: _____

7. 967,610

Nearest ten thousand: _____

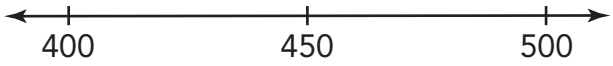
Nearest hundred thousand: _____

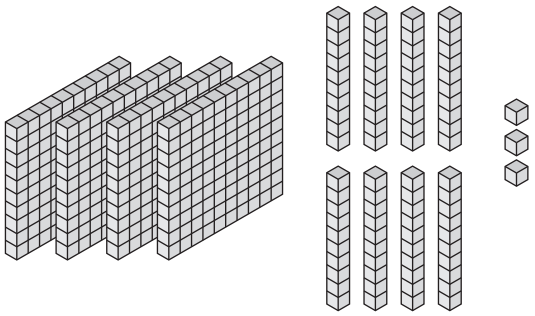
Name _____

Use Base Ten Blocks to build the model. Use the model and the number line to solve the problem.

1. Aston traveled 483 miles in one week. To the nearest hundred, about how many miles is this?

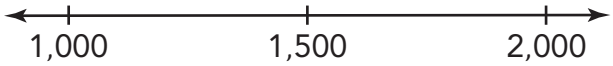
_____

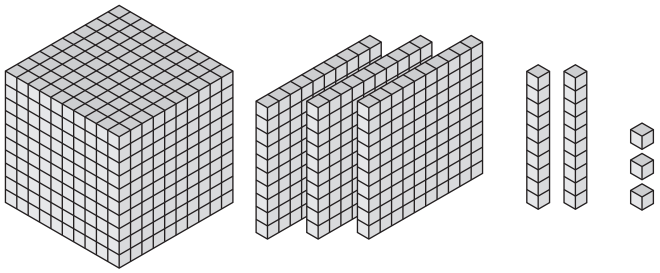




2. Jackson rode his new motorcycle 1,323 miles last month. To the nearest thousand, about how many miles is this?

_____





Sketch Base Ten Blocks models and number lines to help you solve the problem.

3. Sarah swam 1,168 meters yesterday. Round the number of meters to the nearest hundred and the nearest thousand.

Nearest hundred: _____

Nearest thousand: _____

continued on the next page

Name _____

Solve the problem.

4. I am a number that rounds to 700. What can I be? Justify your answer.

_____

5. Samantha's class read about 300 books last month. Vijay's class read 333 books last month. Is it possible for Samantha's class to have read more books than Vijay's? Justify your answer.

_____

6. During football season, four players gained yards carrying or catching the ball. Jack gained 128 yards, José 132 yards, Derek 148 yards, and Darnell 188 yards. To make record keeping easier, the coach rounded yards gained to the nearest 100 yards. Which yardage would be rounded to 200?

_____

Round each number to the nearest ten thousand and the nearest hundred thousand.

7. 546,769

Nearest ten thousand: _____

Nearest hundred thousand: _____

8. 992,449

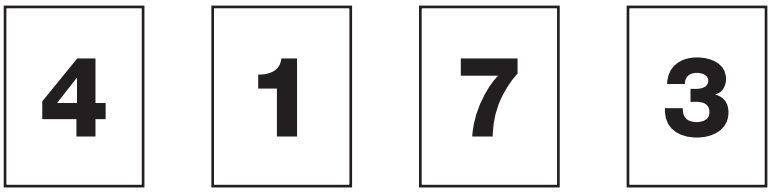
Nearest ten thousand: _____

Nearest hundred thousand: _____

Name _____

4

Here are 4 number cards.



Put them in place to make the greatest possible answer.

a.

$$\begin{array}{r} \square\square \\ +\ \square\square \\ \hline \end{array}$$

b.

$$\begin{array}{r} \square\square \\ -\ \square\square \\ \hline \end{array}$$

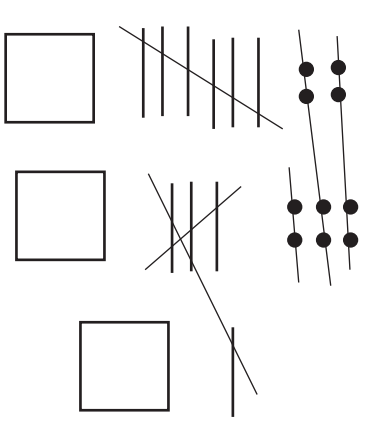
Name _____

Try This

At Ian's school there are 164 students in third grade and 136 students in fourth grade. How many students are there in both grades combined? How many more students are in third grade than are in fourth grade?

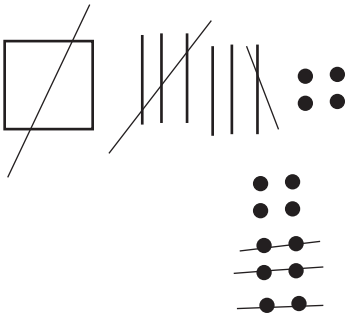
- Use Base Ten Blocks.
- Show how you model and solve the problem.

Think: Add 164 + 136



$$\begin{array}{r} {\scriptstyle 11} \\ 164 \\ +\ 136 \\ \hline 300 \end{array}$$

Think: Subtract 164 – 136



$$\begin{array}{r} {\scriptstyle 5\,14} \\ 1\not{6}\not{4} \\ -\ 136 \\ \hline 28 \end{array}$$

There are 300 students in both grades combined.

There are 28 more students in third grade.

1. Gary was playing his favorite video game. In the first round he scored 212 points, and in the second round he scored 202 points.

How many points did Gary score in all? _____

How many more points did he score in the first round than

he did in the second round? _____

continued on the next page

Name _____

2. At the dog show there were 319 large dogs and 203 small dogs.

How many dogs were at the dog show? _____

How many more large dogs than small dogs were at the show?

_____

3. While building a house, a builder used 1,387 nails on the first floor and 927 nails on the second floor.

How many nails did he use in all, on both floors? _____

How many fewer nails did he use on the second floor than on the

first floor? _____

continued on the next page

Name _____

Add or subtract.

4.
$$\begin{array}{r} 825 \\ +\ 327 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 1{,}293 \\ +\ 3{,}310 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 12{,}667 \\ +\ 13{,}334 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 1{,}523 \\ -\ 912 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 14{,}544 \\ -\ 11{,}620 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 48{,}333 \\ -\ 37{,}345 \\ \hline \end{array}$$

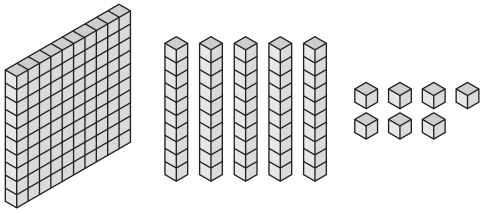
Name _____

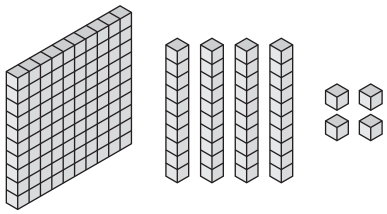
Use Base Ten Blocks to build the model. Use the model to complete the problem.

1. At Marcel's school, there are 157 students in third grade and 144 students in fourth grade.

How many students are there in both grades combined?

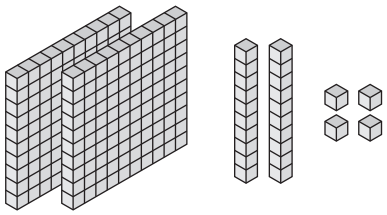
_____

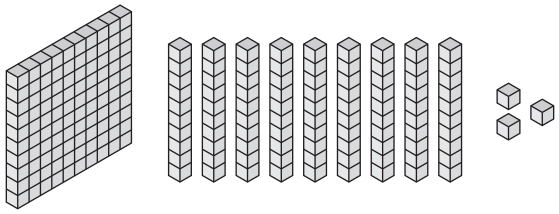




2. At Maxine's school, there are 224 students in third grade and 193 students in fourth grade. How many more students are in third grade than are in fourth grade?

_____





Use Base Ten Blocks. Draw a model, and use it to complete the problem.

3. Cullen started reading a new mystery series. The first book was 496 pages long, and the next book had 349 pages. How many pages were in both books combined?

_____

continued on the next page

Name _____

Models will vary. Check student's work.

4. During a Super Saturday Sale, a clothing store sold 398 tank tops and 465 T-shirts. How many more T-shirts than tank tops did the store sell?

_____

Add or subtract.

5.
$$\begin{array}{r} 725 \\ +\ 227 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 1{,}394 \\ +\ 3{,}210 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 11{,}557 \\ +\ 14{,}335 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 1{,}413 \\ -\ 913 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 15{,}634 \\ -\ 11{,}650 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 35{,}220 \\ -\ 30{,}344 \\ \hline \end{array}$$