Name_____ **2.OA.1**

Use another sheet of paper to draw your number line.

1. There are 26 children on the playground. Then 18 more children showed up. How many children are there now?

Show your work.

26 + 18 = ☐

Answer_____ children

2. There are 9 blue marbles and 5 red marbles in the bag. Maria put in 7 more marbles. How many marbles are in the bag now?

Show your work.

9 + 5 + 7 = ☐

Answer_____ marbles

3. There are 29 peas on the plate. Carlos ate 15 peas. His mother put 7 more peas on the plate.
How many peas are on the plate now?

Show your work in the table.

29 – 15 + 7 =

Answer_____ peas

4. There are 13 stickers on the page. Brittany put some more stickers on the page. There are now 22 stickers on the page. How many stickers did Brittany put on the page?

Show your work.

13 + □ = 22

22 – 13 = □

Label your answer _____

A Pencil and a Sticker Bar Diagram

A pencil costs 39 cents, and a sticker costs 20 cents less. How much do a pencil and a sticker cost together?

39

Λ

: V

: **20**

:

V

?

THINK

The pencil costs 39 cents, and the sticker costs 20 cents less than that:

So the sticker costs _____cents.

1. There are some students in the Library. Then 17 more students came. There are now 47 students. How many students were in the Library at the beginning?
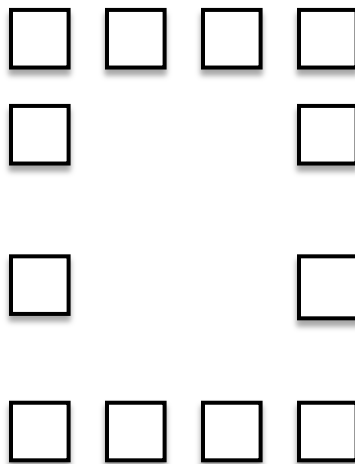
Show your work.

□ + 17 = 47

Explain how you got your answer.
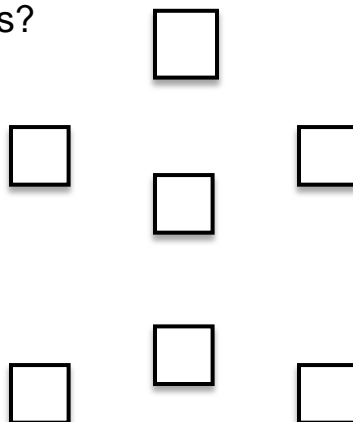
_____

_____

_____

_____

Anna wants to put some blue and yellow tiles on a wall for decoration. She is thinking about several different patterns of tiles she could create. She wants to choose a pattern that would let her use exactly as many green tiles as yellow tiles.

Is it possible to create the pattern below using the same number of blue tiles as yellow tiles?
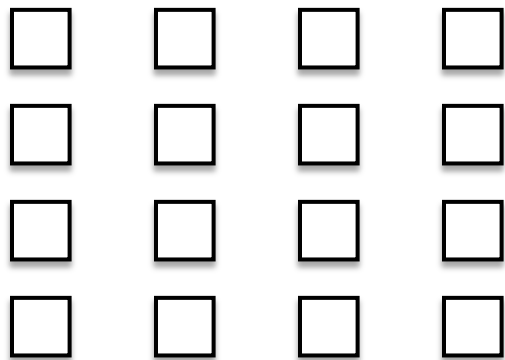
☐ ☐ ☐ ☐

☐　　☐

☐　　☐

☐ ☐ ☐ ☐

Explain.

_____

_____

Is it possible to create the pattern below using the same number of blue tiles as yellow tiles?

☐

☐　☐　☐

☐
☐
☐　☐

Explain. ☐

_____

_____

_____

_____

Can you figure out how many tiles are in the pattern below without counting them one by one? Is it possible to create this pattern using the same number of blue tiles as yellow tiles?

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐

Explain.

_____

_____

_____

_____

_____
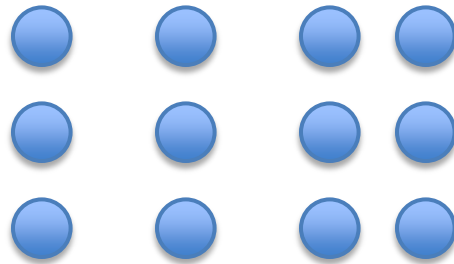
_____

Counting Dots in an Array

Which of the following are equal to the number of dots in the picture below?

Circle all that apply.

a. 3 + 3 + 3

b. 3 + 4

c. 4 + 4 + 4

d. 4 + 4 + 4 + 4

e. 3 + 3 + 3 + 3

Name_____**2.NBT.1**

Pencils are packed 10 in a box. A classroom carton has 10 boxes.

Lucy has 1 carton and 4 boxes. How many pencils does Lucy have all together?

Answer_____ pencils

Nate needs to pack 340 pencils. How many boxes does Nate need?

Answer_____ boxes

If Nate puts the boxes in cartons, how many cartons can he completely fill?

Answer_____ cartons

Ms. Brown needs 10 pencils for each of her 24 students. If she can only buy boxes, how many boxes does she need?

Answer_____ boxes

She finds out that it is cheaper to buy pencils in cartons. How many cartons should she buy?

Answer_____ cartons

How many additional boxes will she need?

Answer_____ additional boxes

Name_____2.NBT.1

Make true equations. Write one number in every space.

Draw pictures to help.

1 hundred + 4 tens = _____ □ 4 tens + 1 hundred = _____

14 tens = 10 tens + _____ tens □ 14 tens = _____ hundred + 4 tens □ 14 tens = _____ ones

7 ones + 5 hundreds = _____

8 hundreds = _____

106 = 1 hundred + _____ tens + _____ ones □ 106 = _____ tens + _____ ones □ 106 = _____ ones

Name_____   **2.NBT.1**

The post office packages stamps like this:

10 stamps in each strip.

10 strips of 10 in each sheet.

Yesterday Mike saw 4 full sheets, 7 strips, and 2 extra stamps in the drawer. He counted all the stamps and found out that there were 472 stamps in all.

Why did Mike's number match up with the numbers of sheets, strips, and extra stamps?

*Draw a picture to help explain your answer.

Explain.

_____

_____

_____

Today Mike found 3 extra stamps, 1 sheet, and 5 strips.

Find the total number of stamps.

Answer: _____ stamps

Explain.

_____

_____

_____

_____

_____

_____

_____

Donna had three cards with the numbers 0, 8, and 3 written on them. Her teacher said: " What is the largest three-digit number you can make?"

First Donna put the 8 in the hundreds place. Is this the right choice for the hundreds place? Explain why or why not.

_____

_____

_____

Next, Donna said, "It doesn't matter what number I choose for the other places, because I put the biggest number in the hundreds place, and hundreds are bigger than tens and ones." Is she correct? Explain.

_____

_____

_____

WORK SPACE

Name_____ **2.NBT.1**

Luke and Sara had some base-ten blocks.

Luke said, "I can make 134 using 1 hundred, 3 tens, and 4 ones."

Sara said, "I can make 134 using 134 ones."

Find as many ways as **you** can to make 134 using hundreds, tens, and ones.

WORK SPACE

When you think you have found all the ways, explain how you know your list is complete.

_____

_____

_____

_____

Name_____ **2.NBT.1**

One, Ten, and One Hundred More and Less

What number is 1 more than 99?   _____

What number is 1 less than 600?   _____

What number is 10 more than 90?   _____

What number is 10 less than 300?   _____

What number is 100 more than 570?   _____

What number is 100 less than 149?   _____

2.NBT.1 Regrouping

What number represents the same amount as 2 tens + 7 ones?
_____

What number represents the same amount as 4 tens + 0 ones?
_____

What number represents the same amount as 5 tens + 12 ones?
_____

What number represents the same amount as 3 hundreds + 18 tens + 5 ones? _____

What number represents the same amount as 7 hundreds + 19 tens?
_____

Name_____   **2.NBT.4**

Ten $10s make $100

Draw pictures to help you.

How many ten-dollar bills equal a hundred-dollar bill?

 Answer_____

Jen had 20 ten-dollar bills. How many hundred-dollar bills can she trade them for?

Answer _____

Bob had 6 hundred-dollar bills. How many ten-dollar bills can he trade them for?

Answer _____

Who had the greatest amount of money?

Answer _____

How much more money do they have?

Answer _____

Explain why that person had the greatest amount.

_____

_____

_____

_____

Name_____ **2.NBT.1**

Three composing/decomposing problems

Jill has 5 hundreds, 8 tens, and 27 ones. How many ones would this be?

Answer _____

Jack wants to make the number 261. He has plenty of hundreds blocks and ones blocks to work with, but only 4 tens blocks. His friend Jose said, "*You can still make 261 with the blocks you have.*"

Explain how he can.

_____

_____

_____

_____

Find at least three different ways to can make 124 using hundreds, tens and ones.

Answer 1 _____   Answer 2 _____   Answer 3 _____

Name_____**2.NBT.1.a**

Sally was having a party. She put 10 stickers in each party bag. On the first day she made 10 bags. How many stickers were in her 10 bags all together?

Draw a picture.

Answer_____ stickers

On the second day she made 2 more bags with ten stickers in each one. How many stickers total were in her 10 bags plus 2 more bags?

Draw a picture.

Answer_____ stickers

On the third day she made 6 more bags with ten stickers in each one. How many stickers total are in her 18 bags of ten?

Draw a picture.

Answer_____ stickers

On the fourth day, she made another 10 bags with ten stickers in each one. How many stickers are in her 28 bags of ten?

Draw a picture.

Answer_____ stickers

After one week, she had made a total of 50 bags with ten stickers in each one. How many stickers total are in her 50 bags of ten?

Draw a picture.

Answer _____total number of stickers

Name _____**2.NBT4**
Comparisons

Are these comparisons true or false?

1. 4□hundreds + 3□ones > 5□tens + 9□ones   _____

2. 7 tens + 2□hundreds + 8□ones < 924   _____

3. 456□< 5□hundreds   _____

4. 8 hundreds + 9□ones + 3□ones < 491   _____

5. 3□hundreds + 4□tens < 7□tens + 9□ones + 2□hundred
_____

6. 7 ones + 3□hundreds > 370   _____

7. 2□hundreds + 7□tens = 3□hundreds - 2□tens
_____

Explain your answer for exercise 6.

_____

_____

_____

_____

Name_____**2.NBT.4**
Comparisons

Use all the digits 3, 7, and 4 to create different 3-digit numbers.

Use the space to do your work.

What is the greatest number you can make using all of the digits?
_____

Explain why it is the greatest.

_____

_____

_____

_____

What is the smallest number you can make using all of the digits?
□_____

Explain why it is the smallest.

_____

_____

_____

_____

Mrs. Smith gives her students a rectangle and asks them to shade in one half of the rectangle. Below are pictures drawn by three of her students:

Are the three student pictures correct? Explain.

_____

_____

_____

_____

_____

Name_____**2.OA.4**Repeated

Addition and Arrays

Use the grid to figure out the repeated addition problem. Write the correct repeated addition problem on the line.

1. How many wheels are there on 3 cars?

Number sentence: _____

2. The caretakers at the zoo are responsible for feeding the penguins. Each penguin is fed 5 fish a day. If there are 4 penguins, how many fish will be needed each day?

Number sentence: _____

3. Three groups of students went to the zoo. Each group had 6 students. How many students in all?

Number sentence: _____

4. How many sides are on 3 triangles?

Number sentence: _____