**Name:**

**Place Value Classwork**

1. Complete the table below using numbers and drawing base ten blocks.

|  |  |
| --- | --- |
| **Number** | **Base Ten Block Drawing** |
| **246** |  |
|  |  |
| **381** |  |

1. How many tens are in the number 348? \_\_\_\_\_\_\_\_\_\_\_
2. How many hundreds are in the number 231? \_\_\_\_\_\_\_\_\_\_
3. How many ones are in the number 138? \_\_\_\_\_\_\_\_\_\_
4. What is the value of the underlined digit? 823 \_\_\_\_\_\_\_\_\_\_\_
5. What is the value of the underlined digit? 193 \_\_\_\_\_\_\_\_\_\_\_
6. What is 300 more than 599? \_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value Homework**

1. Complete the table below using numbers and drawing base ten blocks.

|  |  |
| --- | --- |
| **Number** | **Base Ten Block Drawing** |
| **273** |  |
|  |  |
| **127** |  |

1. How many tens are in the number 289? \_\_\_\_\_\_\_\_\_\_\_
2. How many hundreds are in the number 172? \_\_\_\_\_\_\_\_\_\_
3. How many ones are in the number 230? \_\_\_\_\_\_\_\_\_\_
4. What is the value of the underlined digit? 912 \_\_\_\_\_\_\_\_\_\_\_
5. What is the value of the underlined digit? 129 \_\_\_\_\_\_\_\_\_\_\_
6. What is 300 more than 612? \_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Standard, Numeric, and Expanded Forms**

**Classwork**

1. How is 679 written in words?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How is it written in expanded form?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What number is 400+10+6 written in standard form?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Jake wrote five hundred four as 540. Explain what he did wrong.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write as many 3-digit numbers as you can with the digits 2, 4, 6 in each number.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using the numbers you wrote above, choose the largest possible number and write that number in word form.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using the numbers you wrote above, choose the smallest possible number and write that number in expanded form.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. How is 426 written in words?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How is it written in expanded form?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What number is 900+50+0 written in standard form?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Susan wrote six hundred two as 620. Explain what she did wrong.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write as many 3-digit numbers as you can with the digits 1, 3, 5 in each number.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using the numbers you wrote above, choose the largest possible number and write that number in word form.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using the numbers you wrote above, choose the smallest possible number and write that number in expanded form.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Comparing Numbers**

**Classwork**

1. Write a 5 in the ones places.

Write a 3 in the thousands place

Write a 0 in the hundreds place.

Write a 4 in the tens place.

Write a 1 in the ten-thousands place.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write a 7 in the tens places.

Write a 1 in the ten-thousands place

Write a 9 in the hundreds place.

Write a 6 in the ones place.

Write a 2 in the thousands place.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Compare the two numbers you wrote in the two problems above. Which is greater?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Place the appropriate symbol ( < or > )between the following pairs of numbers:
	1. 345 354
	2. 159 158
	3. 999 1,000
	4. 428 69
3. Draw a number line and mark and label points for these numbers: 99;105;86;101
4. Ana compared 918 and 1,047. She says that 918 is larger than 1,047 because 9 is larger than 1. What is Ana’s mistake? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Using the numbers 4, 9, 1, 0.

Write the largest number you can.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the smallest number you can.\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write a number that is in between the smallest and largest numbers that you made.\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. Write a 9 in the ones places.

Write a 4 in the thousands place

Write a 1 in the hundreds place.

Write a 0 in the tens place.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write a 9 in the tens places.

Write a 4 in the hundreds place.

Write a 0 in the ones place.

Write a 6 in the thousands place.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Compare the two numbers you wrote in the two problems above. Which is smaller?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Place the appropriate symbol ( < or > )between the following pairs of numbers:
	1. 465 564
	2. 1,001 201
	3. 951 654
	4. 99 101
3. Draw a number line and mark and label points for these numbers: 45;56;50;64
4. Jacob compared 81 and 104. He says that 81 is larger than 104 because 8 is larger than 1. What is Jacob’s mistake?

1. Using the numbers 5, 8, 0

Write the smallest number you can.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the largest number you can.\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write a number that is in between the smallest and largest numbers that you made.\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Ordering Numbers**

**Classwork**

1. Write the numbers in order from greatest to least.

450, 427, 436

1. Write the numbers in order from least to greatest.

345,358,321

1. Place the numbers on the number line. 415, 399, 402
2. Lexi ordered the weights of three baby animals from least to greatest. She wrote 220, 330, 250. What was her mistake?

**Homework**

1. Write the numbers in order from least to greatest.

340, 337, 356

1. Write the numbers in order from greatest to least.

785,788,771

1. Place the numbers on the number line. 561, 555, 566
2. Jon ordered the weights of three bear cubs from greatest to least. He wrote 256, 345, 243. What was his mistake? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Rounding**

**Classwork**

1. Round 46 to the nearest ten.
2. Round 644 to the nearest ten.

Round 644 to the nearest hundred.

1. Take the number 456 and place it between its nearest tens.

Now, round it to the nearest ten. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Circle all of the numbers that round to 900.
	1. 901
	2. 949
	3. 951
	4. 999

**Homework**

1. Round 62 to the nearest ten.
2. Round 788 to the nearest ten.

Round 788 to the nearest hundred.

1. Take the number 265 and place it between its nearest hundreds.

Now, round it to the nearest hundred. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Circle all of the numbers that round to 850.
	1. 801
	2. 848
	3. 854
	4. 860

**Name:**

**Place Value - Addition Properties**

**Classwork**

1. 8 + 4 = \_\_\_\_

4 + 8 = \_\_\_\_

What property is this?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 0 + 23 = \_\_\_\_

23 + 0 = \_\_\_\_

What property is this?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 1 + ( 10 + 5 ) = \_\_\_\_\_

(1 + 10 ) + 5 = \_\_\_\_\_

What property is this?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Place parenthesis two different ways, then solve.

8 + 9 + 2= \_\_\_\_\_ 8 + 9 + 2= \_\_\_\_\_

1. A fishbowl has 2 red marbles, 3 blue marbles, and 5 green marbles. How many marbles are in the bowl in all? \_\_\_\_\_

Draw a picture.

Write a number sentence.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. 8 + 0 = \_\_\_\_

0 + 8 = \_\_\_\_

What property is this?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 1 + 23 = \_\_\_\_

23 + 1 = \_\_\_\_

What property is this?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 1 + ( 11 + 6 ) = \_\_\_\_\_

( 1 + 11 ) + 6 = \_\_\_\_\_

What property is this?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Place parenthesis two different ways, then solve.

4 + 9 + 3= \_\_\_\_\_ 4 + 9 + 3= \_\_\_\_\_

1. A lunch bag has 4 chocolate cookies, 3 vanilla cookies, and 1 twist cookie. How many cookies are in the bag in all? \_\_\_\_\_

Draw a picture.

Write a number sentence.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Missing Addends**

**Classwork**

1. Use the same number twice to fill in the missing addends.

 \_\_\_\_\_ + \_\_\_\_\_ = 16

20 = \_\_\_\_\_ + \_\_\_\_\_

1. What number does the x stand for? 15 + x = 25\_\_\_\_\_
2. What does the k stand for? k + 14 = 21\_\_\_\_\_
3. Fill in the missing addends.

9+ \_\_\_\_\_ = 9

\_\_\_\_\_ + 13 = 20

1. Solve both number sentences. Then, write the related subtraction fact for each.

5 +\_\_\_\_\_ = 9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ + 8 = 9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. Use the same number twice to fill in the missing addends.

 \_\_\_\_\_ + \_\_\_\_\_ = 22

10 = \_\_\_\_\_ + \_\_\_\_\_

1. What number does the h stand for? 10 + h =10 \_\_\_\_\_
2. What does the ! stand for? ! + 7 = 9 \_\_\_\_\_
3. Fill in the missing addends.

8 + \_\_\_\_\_ = 19

\_\_\_\_\_ + 13 = 20

1. Solve both number sentences. Then, write the related subtraction fact for each.

6 +\_\_\_\_\_ = 10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_ + 18 = 19 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Estimating Sums**

**Classwork**

1. What is the estimated sum for:

 87 + 21?

74 + 95?

651+54?

871+24?

1. Why is estimating helpful?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Why could you estimate the sum of 127 + 28 to be 150 instead of 160?

1. During a hot dog eating contest, Gavin was able to eat 56 hot dogs. His opponent ate 45. About how many hot dogs did they eat altogether?
	1. 100
	2. 110
	3. Both A and B

Explain why you chose the answer you did.

**Homework**

1. What is the estimated sum for:
	1. 87 + 54?
	2. 98 + 54?
	3. 49 + 951?
	4. 15 + 304?
2. Describe a situation in which estimating would be important?
3. Why could you estimate the sum of 407 + 81 to be 480 instead of 490.
4. At an end of the year sale, a store sold a rug for $146 and a lamp for $58. About how much money did they make?
	1. 200
	2. 210
	3. Both A and B

Explain why you chose the answer you did.

**Name:**

**Place Value - Addition of 2-digit Numbers**

**Classwork**

1. Explain when you need to regroup.
2. Draw base ten blocks for the sum of 21+15.

Solve.

1. 74 + 57 =
2. 44 + 61 =
3. 31

 +45

1. 48

 + 84

1. Jonah has 26 rocks in his collection. Sandra had 45 rocks in her collection. Juan has 97 rocks in his collection. How many rocks do they have all together?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. When adding two 2 digit numbers together, can you end up having a sum with 3 digits? Explain.
2. Draw base ten blocks for the sum of 65 + 65.

Solve.

1. 86 + 53 =
2. 65 + 39 =
3. 24

 +46

1. 43

 + 49

1. Lori has 69 marbles in her collection. Alana had 78 marbles in her collection. Joey has 14 marbles in his collection. How many marbles do they have all together?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Addition of 3-Digit Numbers**

**Classwork**

1. Explain when you need to regroup.
2. Draw base ten blocks for the sum of 221+115.

Solve.

1. 684 + 357 =
2. 544 + 981 =
3. 421

 +645

1. 348

 + 984

1. Jon has 126 stickers in his collection. Amanda had 245 stickers in her collection. Jose has 147 stickers in his collection. How many stickers do they have all together?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which expression *could* be used to find the value of 438 + 134? Circle the best choice.

4 + 3 + 8 1 + 3 + 4 400+300+800 4 + 8 + 43 + 13

 400+38+1 400+100+30+30+8+4 8+3+4+4+3+1

1. Now, solve the problem. What is 438+134? \_\_\_\_\_\_\_\_\_\_\_

Use the expression you circled above in #102 to check your answer.

1. Which expression *could* be used to find the value of 823 + 786? Circle the best choice.

800+700+30+80+20+6 700+823+68 8+2+3 7+8+6

 20+3+80+6 800+700+20+80+3+6 328+687

1. Now, solve the problem. What is 823 + 786? \_\_\_\_\_\_\_\_\_\_\_

Use the expression you circled above in #104 to check your answer.

**Homework**

1. When adding two 3 digit numbers together, can you end up having a sum with 4 digits? Explain.
2. Draw base ten blocks for the sum of 165 + 265.

1. 486 + 753 =
2. 445 + 189 =
3. 124

 +546

1. 843

 + 489

1. Lacey has 169 marbles in her collection. Aimee had 348 marbles in her collection. Josh has 174 marbles in his collection. How many marbles do they have all together?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which expression *could* be used to find the value of 468 + 754? Circle the best choice.

 400+68+7 400+700+60+50+8+4 8+6+4+4+5+7

4 + 6 + 8 7 + 5 + 4 400+600+800 4 + 8 + 54 + 75

1. Now, solve the problem. What is 468 + 754? \_\_\_\_\_\_\_\_\_\_\_

Use the expression you circled above in #113 to check your answer.

1. Which expression *could* be used to find the value of 283 + 956? Circle the best choice.

 20+3+80+6 200+900+80+50+3+6 382+659

200+900+80+50+30+60 200+956+83 2+8+3 9+5+6

1. Now, solve the problem. What is 283+956? \_\_\_\_\_\_\_\_\_\_\_

Use the expression you circled above in #115 to check your answer.

**Name:**

**Place Value - Addition Story Problems**

**Classwork**

1. Charlie found two boxes of baseball cards in his grandfather’s attic. One box has 54 cards in it. The second box had 64 cards in it. How many cards did Charlie find in all?

Number Sentence:

1. 25 birds are perched in a tree. 13 more birds fly over to join them. How many birds are in the tree?

Number Sentence:

1. Three turtle doves each laid a dozen eggs. How many eggs were there in all?

Number Sentence:

1. A shoe factory made 425 pairs of shoes in one hour. How many shoes were made in 2 hours?
	1. 425 shoes
	2. 850 shoes
	3. 840 shoes

Number Sentence:

**Homework**

1. There were 39 pairs of pants on the clothing rack. A sales lady hung 29 more pair of pants on the rack. How many pairs of pants are on the rack?

Number sentence:

1. The year 2011 has 365 days. But 2012 is a leap year, it will have 366 days. How many days are in 2011 and 2012 altogether?

Number Sentence:

1. Jack scooped out 745 seeds from his pumpkin. Jill scooped out 289 from hers. How many seeds did they have together?

Number Sentence:

1. There are 51 cars in the parking lot. How many tires are there on all of the cars?
	1. 51
	2. 102
	3. 153
	4. 204

Number Sentence:

**Name:**

**Place Value - Estimating Differences**

**Classwork**

1. What is the estimated difference for:
	1. 87 - 21?
	2. 74 -59?
	3. 651 - 54?
	4. 871- 24?
2. Why is estimating helpful?
3. Why could you estimate the difference of 127 - 24 to be 100 instead of 110?
4. A truck has 148 boxes to deliver. It drops off 22 boxes at its first stop. About how many boxes still need to be delivered?
	1. 110
	2. 120
	3. 130

Number sentence:

**Homework**

1. What is the estimated difference for:
	1. 87 - 54?
	2. 98 - 14?
	3. 951 - 49?
	4. 304 - 15?
2. Describe a situation in which estimating would be important?
3. Why could you estimate the difference of 407 - 81 to be 320 instead of 330?

1. Henry scored 153 points on the first level. Then he scored 75 points on the second level. About how many more points did he score in the first level than the second level?
	1. 80
	2. 70
	3. 90

Number sentence:

**Name:**

**Place Value - Subtraction of 2-digit Numbers**

**Classwork**

1. Explain when you need to regroup.
2. Draw base ten blocks for the difference of 34 - 13.

Solve.

1. 77 - 55 =
2. 81 - 61 =
3. 96

 - 45

1. 82

 - 28

1. Jed has 26 rocks in his collection. Sydney had 45 rocks in her collection. How many more rocks does Sydney have than Jed?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. Draw base ten blocks for the difference of 65 - 35.

Solve.

1. 86 - 53 =
2. 65 - 39 =
3. 44

 - 26

1. 91

 - 19

1. Lindsay has 69 marbles in her collection. Amy had 78 marbles in her collection. How many more marble does Amy have than Lindsay?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Subtraction of 3-Digit Numbers**

**Classwork**

1. Explain when you need to regroup.
2. Draw base ten blocks for the difference of 226 - 115.

Solve.

1. 684 - 357 =
2. 981 - 544 =
3. 721

 - 645

1. 348

 - 184

1. A circle has 360 degrees. A half circle has 180 degrees. What is the difference in degrees between a circle and a half circle?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. Draw base ten blocks for the difference of 265 - 65.

Solve.

1. 786 - 753 =
2. 445 - 189 =
3. 624

 - 546

1. 843

 - 489

1. Dora was looking to buy a new laptop. One type of laptop was $425 and the other type was $ 206. How much more would she spend if she bought the more expensive laptop?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Subtraction Across Zeroes**

**Classwork**

1. Sam says that 700- 156 equal 656. Is he right?

Why or why not?

1. 100 – 61 =
2. 301 – 172 =
3. 200

- 28

1. 802

-427

1. Ted ran a lap in 256 seconds. Raj ran a lap in 300 seconds. How many more seconds did it take Raj to run a lap than Ted?

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework**

1. Theresa says that 600- 289 equal 411. Is she right?

Why or why not?

1. 200 – 72 =
2. 401 – 283=
3. 300

- 39

1. 907

-538

1. The third grade class needs to raise $400 to go on their field trip. They have raised $94 so far. How much money do they still have to raise?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number Sentence: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name:**

**Place Value - Checking Subtraction with Addition**

**Classwork**

1. What are the two ways that you can check your answer to a subtraction

problem?

1. This is how Harry solved this problem: 31

 -22

 11

Show Harry how to check his answer using addition: \_\_\_ \_\_\_

 + \_\_\_ \_\_\_

 \_\_\_\_\_\_\_\_\_\_

 \_\_\_ \_\_\_

What is the correct answer? 31

 -22

1. Solve each subtraction problem. Then, check each subtraction problem with addition.

 214 94 345 149

-142 +  -21 + -325 + - 95 +

**Homework**

1. What numbers do you add to check a subtraction problem?

1. This is how Nari solved this problem: 142

 -33

 111

Show Nari how to check his answer using addition: \_\_\_ \_\_\_ \_\_\_

 + \_\_\_ \_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_ \_\_\_ \_\_\_

What is the correct answer? 142

 - 33

1. Solve each subtraction problem. Then, check each subtraction problem with addition.

 105 456 251 87

- 32 + -437 + - 106 + -78 +

**Name:**

**Place Value - Subtraction Story Problems**

**Classwork**

1. A desktop computer costs $895. A laptop computer costs $675. How much more does the desktop computer cost than the laptop computer?

Number Sentence:

1. Mel had 456 jelly beans in her bag. Shelly had 345 jelly beans in her bag. How many more jelly beans did Mel have than Shelly?

Number Sentence:

1. There are 787 ninth graders in the high school. There are 1,002 eleventh graders in the high school. How many more eleventh graders are there than ninth graders?

Number Sentence:

1. Sandra has 112 stamps in her collection. Susie has 86 stamps in her collection. How many more stamps does Sandra have than Susie?

Number Sentence:

* 1. 6
	2. 16
	3. 26
	4. 27

**Place Value - Subtraction Story Problems**

**Homework**

1. A desktop computer costs $599. A high-end gaming laptop costs $1,399. How much more does the laptop cost than the desktop computer?

Number Sentence:

1. Michael counted 245 M&M’s in his bag. Sheldon counted 147 M&M’s in his bag. How many more M&M’s did Michael have than Sheldon?

Number Sentence:

1. There are 134 fourth graders in the elementary school. There are 125 fifth graders in the elementary school. How many more fourth graders are there than fifth graders?

Number Sentence:

1. Keira has 145 books in her collection. Martin has 173 books. How many more books does Martin have than Keira?

Number Sentence:

* 1. 8
	2. 18
	3. 28
	4. 32

**Name:**

**Place Value – 2-Step Problem Solving**

**Classwork**

1. Let’s try a problem together.

**Adam and Shelby are big football fans. They each go to many games a year. Look at the chart below. How many more games did Adam attend than Shelby?**

|  |  |  |
| --- | --- | --- |
| Games Attended in last few years | Adam | Shelby |
| 2013 | 22 games | 13 games |
| 2014 | 14 games | 12 games |

Step 1: First, we need to find out how many games Adam attended and how many games Shelby attended.

Adam attended \_\_\_\_\_\_\_\_\_\_\_ games Shelby attended \_\_\_\_\_\_\_\_\_\_\_ games

Step 2: Now, we can find the difference between Adam’s total and Shelby’s total.

Difference \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: Adam attended \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ more games than Shelby.

1. James brought Jelly Beans to share with his reading group. There were 32 Jelly Beans in his bag altogether. There were 8 white, 5 red, 9 blue, and 3 yellow. How many orange jelly beans did he bring to share?

**Place Value – 2-Step Problem Solving**

**Homework**

1. Let’s try a problem together.

**Luke and Eli are big videogame fans. They each play many games a week. See the table below to find their videogame totals. How many more games does Eli play than Luke?**

|  |  |  |
| --- | --- | --- |
| Video Games Played | Eli | Luke |
| Week 1 | 18 | 12 |
| Week 2 | 17 | 9 |

Step 1: First, we need to find out how many games Eli played and how many games Luke played.

Eli played \_\_\_\_\_\_\_\_\_\_\_ games Luke played\_\_\_\_\_\_\_\_\_\_\_ games

Step 2: Now, we can find the difference between Eli’s total and Luke’s total.

Difference \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer: Eli played \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ more videogames than Luke.

1. Mrs. Robbins’ 3rd grade class had bring your pet to school day. All 23 students brought a pet. There were 4 turtles, 2 puppies, 4 cats, 6 pet rocks, and the rest were fish. How many fish were brought to school that day?

**Name:**

**Patterns**

**Classwork**

1. Identify the rule in the tables below, then complete the boxes.

Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 4 | 8 |
| 5 | 9 |
|  | 11 |
| 12 |  |
| 13 | 17 |

Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 20 | 15 |
| 17 | 12 |
| 33 |  |
|  | 25 |
| 12 |  |

1. Continue the pattern below:

3, 9, 15, 21, \_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_

1. Sammy was counting up by 10’s starting at 16. He said, “16, 26, 36, 46, 56, 66…” What number would he say next? \_\_\_\_\_\_\_\_\_
2. Make up a challenging pattern in the space below. See if a classmate can solve it.

*\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_*

**Patterns**

**Homework**

1. Identify the rule in the tables below, then complete the boxes.

Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 16 |  |
| 20 | 23 |
| 33 |  |
| 13 | 16 |
| 1 |  |

Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 20 | 16 |
| 17 | 13 |
| 33 |  |
|  | 25 |
| 12 |  |

1. Continue the pattern below:

2, 5, 7, 10, 12, 15, \_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_

Explain the pattern: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Sammy was counting up by 100’s starting at 33. He said, “33, 133, 233, 333…” What number would he reach after saying 933? \_\_\_\_\_\_\_\_\_
2. Make up a challenging pattern in the space below. See if a family member can solve it.

*\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_*

*Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***Place Value Unit Review***

**Multiple Choice – Circle the letter to the correct answer.**

1. There are 4,980 students at the zoo. What is the value of the digit 8 in this number?
	1. 8,000
	2. 8
	3. 800
	4. 80
2. The Healthy Harvest Farm Company sold 986 ears of corn and 157 watermelons. How many more ears of corn were sold than watermelons?
	1. 729 more ears of corn
	2. 829 more ears of corn
	3. 828 more ears of corn
	4. 728 more ears of corn
3. Marty took 214 apples and 145 pears to the picnic. How many pieces of fruit did Marty take in all?
	1. 69 pieces of fruit
	2. 349 pieces of fruit
	3. 359 pieces of fruit
	4. 79 pieces of fruit
4. There are 825 different types of trees in the rainforest. What is the value of the underlined digit in this number?

825

* 1. 800
	2. 80
	3. 8,000
	4. 8
1. There are 1,497 students involved in sports. What is the value of the digit 4 in this number?
	1. 4,000
	2. 4
	3. 400
	4. 40
2. Students who play sports stay after school for 156 days in a calendar year. Students who do not play sports stay after school for 34 days in a calendar year. How many more days do the students who play sports stay after school in a calendar year?
	1. 190 days
	2. 122 days
	3. 132 days
	4. 22 days
3. Frank’s French Fry Stand sold 1,586 large fries on a Saturday night. Round the total amount of large fries sold to the nearest hundred.
	1. 1,590
	2. 1,600
	3. 1,580
	4. 600
4. There are 691 students in the Wayside Elementary School. Round the total amount of students in the school to the nearest ten.
	1. 700
	2. 600
	3. 790
	4. 690
5. The Cape May Zoo manager is planning for school visits. The table shows the number of students visiting the zoo each day.

**School Field Trips**

|  |  |
| --- | --- |
| **Day** | **Number of Students** |
| Monday | 346 |
| Tuesday | 518 |
| Wednesday | 449 |
| Thursday | 608 |

How many more students will visit the zoo on Thursday than on Monday?

* 1. 954 students
	2. 252 students
	3. 262 students
	4. 854 students
1. Study Island received 768 visitors to their site on September 1. 0n October 1, there were 853 visitors. How many people visited the Study Island website on the first of the month in September and October?
	1. 1,621 visitors
	2. 1,721 visitors
	3. 115 visitors
	4. 95 visitors
2. Dan and Tara are running in a race. Dan’s time is 76 seconds less than Tara’s. Tara’s time is 1,260 seconds. Which is the best estimate for Dan’s time?
	1. 1,100 seconds
	2. 1,200 seconds
	3. 1,000 seconds
	4. 1,330 seconds
3. Solve for x.

x -125 = 267

* 1. 142
	2. 162
	3. 242
	4. 392
1. There are 45 cookies in the jar. If 25 more cookies are added to the jar, how many cookies will there be in all?
	1. 65 cookies
	2. 75 cookies
	3. 20 cookies
	4. 70 cookies
2. Jennifer bought 72 cupcakes for the party. She bought 24 vanilla cupcakes, 16 fudge cupcakes and the rest were strawberry. How many strawberry cupcakes did she purchase?
	1. 40 strawberry cupcakes
	2. 32 strawberry cupcakes
	3. 42 strawberry cupcakes
	4. 30 strawberry cupcakes
3. Mark has 88 baseball cards in his collection. Jan has 34 cards in her collection. What is a reasonable estimate for the number of baseball cards they have altogether?
	1. 120 baseball cards
	2. 110 baseball cards
	3. 130 baseball cards
	4. 30 baseball cards

**Short Answer – Write the answer on the line.**

1. What are the next three players’ numbers on the boys’ basketball team jerseys?

2, 5, 9, 14, 20, 27, \_\_\_\_, \_\_\_\_, \_\_\_\_

1. The table shows the number of visitors to Annie’s Apple farm. What is the best estimate of the total number of visitors to the farm on the two busiest days? \_\_\_\_\_\_

**Annie’s Apple Farm**

|  |  |
| --- | --- |
| **Day** | **Number of Visitors** |
| Saturday | 243 |
| Sunday | 345 |
| Tuesday | 341 |
| Wednesday | 520 |
| Thursday | 441 |
| Friday | 601 |

1. Identify the pattern and complete the table below. Pattern: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 6 | 14 |
| 12 | **\_\_\_** |
| 18 | 26 |
| **\_\_\_** | 32 |
| **\_\_\_** | **\_\_\_\_** |

1. Will is counting by 30’s. What is the number that Will would say after 120?

\_\_\_\_\_\_\_\_\_\_

1. Mary biked a total of 168 miles in two days. She biked 75 miles on the first day. How many miles did she bike on the second day?

\_\_\_\_\_\_\_\_\_\_

1. Fill in the missing numbers in the list below.

0, \_\_\_\_, 30, 45, \_\_\_\_, 75

**Answers to Classwork and Homework**

|  |  |
| --- | --- |
| **Number** | **Base Ten Block Drawing** |
| **246** |  |
| **140** |  |
| **381** |  |

1. 4
2. 2
3. 8
4. 800
5. 90
6. 899

|  |  |
| --- | --- |
| **Number** | **Base Ten Block Drawing** |
| **273** |  |
| **230** |  |
| **127** |  |

1. 8
2. 1
3. 0
4. 900
5. 20
6. 912
7. Six hundred seventy nine; 600 + 70 + 9
8. 416
9. It should be 504. Jake wrote five hundred forty.
10. 246, 264, 426, 462, 624, 642; six hundred forty two; 200 + 40 + 6
11. Four hundred twenty six; 400 + 20 + 6
12. 950
13. The answer should be 602. 620 is six hundred twenty.
14. 135, 153, 351, 315, 513, 531; five hundred thirty one; 100 + 30 + 5
15. 13,045
16. 12,976
17. 13,045
18. a. < b. > c. < d. >
19.

 86 99 101 105

1. The 1 is in the thousands place, the 9 is in the hundreds place.
2. 9410, 0149 or 1049 if not using zero as front number (doesn’t appear), 9140
3. 4,109
4. 6,490
5. 4109
6. A. < B. > c. > d. <

 45 50 56 64

1. The 1 is in the hundreds place. The 8 is in the tens place.
2. 058 or 508 if not using zero as front number (doesn’t appear), 850, 580,
3. 450, 436, 427
4. 321, 345, 358

 399 402 415

1. It should be 220, 250, 330, Lexi focused on tens place instead of hundreds
2. 337, 340, 356
3. 788, 785, 771

 555 561 566

1. It should be 345, 256, 243, he focused on tens place instead of hundreds
2. 50
3. 640, 600

 450 456 460, 460

1. i, j
2. 60
3. 790, 800

200 265 300 , 300

1. n, o
2. 12; 12; Commutative
3. 23; 23; Identity
4. 16; 16; Associative
5. (8 + 9) + 2 = 19

8 + (9 + 2) = 19

1. 10





2+3+5=10

1. 8; 8; Commutative
2. 24; 24; Identity
3. 18; 18; Associative
4. (4 + 9) + 3 = 16 ; 4 + (9 + 3) = 16
5. 8

  

4+3+1=8

1. A. 8 + 8 B. 10 + 10
2. 10
3. 7
4. 0, 7
5. 4 9 – 5 = 4, 1 9 – 8 = 1
6. 11+ 11 5 + 5
7. 0
8. 2
9. 11, 7
10. 4 10 – 6 = 4

1 19 – 18 = 1

1. A. 100

B. 175

C. 700

D. 900

1. It’s fast
2. You round incorrectly
3. A. I rounded 56 to 60 and 45 to 40, since I rounded up on the first one. I felt this would give a more accurate answer.
4. A. 140

B. 150

C. 1000

D. 315

1. How many people would come to the party?
2. Round 407 to the nearest hundred and 81 to the nearest 10.
3. B; 146 rounds to 150 and 58 rounds to 60. 150 + 60 = 210
4. Answers vary
5.         
6. 131
7. 105
8. 76
9. 132
10. 168
11. Yes, Answers vary

          

          

1. 139
2. 104
3. 70
4. 92
5. 161
6. Answers Vary

 

  

   

1. 1041
2. 1525
3. 1066
4. 1332
5. 518
6. 400+100+30+30+8+4
7. 572
8. 800+700+20+80+3+6
9. 1,609
10. Yes, answers vary
11.    



     

1. 1239
2. 634
3. 670
4. 1332
5. 691
6. 400+700+60+50+8+4
7. 1,222
8. 200+900+80+50+3+6
9. 1,239
10. 54+64=118
11. 25 + 13 = 38
12. 36; 12 + 12 + 12 = 36
13. B; 425 + 425 = 850
14. 39 + 29 = 68
15. 365 + 366 = 731
16. 745 + 289 = 1034
17. D; 51 x 4 = 204
18. A. 70 B. 10 C. 600 D. 850
19. Answers vary
20. You round incorrectly
21. C; 150 – 20 = 130
22. A. 40 B. 90 C. 900 D. 280
23. Answers Vary
24. Round 407 to 400 and 81 to 80; 400 – 80 = 320
25. B; 150 – 80 = 70
26. Answers vary
27.    

1. 22
2. 20
3. 51
4. 54
5. 19
6.  

  

1. 33
2. 26
3. 18
4. 72
5. 9
6. Answers vary
7. 

 

 

1. 327
2. 437
3. 76
4. 164
5. 180
6. 

  

1. 33
2. 256
3. 78
4. 354
5. $219
6. No, 700 – 156 = 544
7. 39
8. 129
9. 172
10. 375
11. 44 sec
12. No, 600 – 289 = 311
13. 128
14. 118
15. 261
16. 369
17. 306
18. Answers vary
19. 22 + 11 = 33; 31 – 22 = 9
20. 142 + 72 = 214; 73 + 21 = 94; 325 + 20 = 345; 95 + 54 =

 149

1. The prospective answer and the number subtracted from the larger one
2. 111 + 33 = 144; 142 – 33 = 109
3. 73 + 32 = 105; 437 + 19 = 456; 106 + 145 = 251; 78 + 9 = 87
4. 220; 895 – 675 = 220
5. 456 – 345 = 111
6. 1002 – 787 = 215
7. 112 – 86 = 26

 C

1. 1399 – 599 = 800
2. 245 – 147 = 98
3. 134 – 125 = 9
4. 173 – 145 = 28; c
5. 36, 25, 11
6. 7
7. 35, 21, 14
8. 7
9. +4, 7, 16 -5, 28, 30, 7
10. 27, 33, 39
11. 76
12. Answers Vary
13. +3, 19, 36, 4 -4, 29, 29, 8
14. 17, 20, 22 (Pattern is +3, +2, +3, +2)
15. 1,033
16. Answers Vary

**Unit Review**

1. D
2. B
3. C
4. A
5. C
6. B
7. B
8. D
9. C
10. A
11. B
12. D
13. D
14. B
15. A
16. 35, 44, 54
17. 1100

|  |  |
| --- | --- |
| 6 | 14 |
| 12 | **\_\_20\_** |
| 18 | 26 |
| **24\_\_\_** | 32 |
| **\_30\_\_** | **\_\_\_38\_** |

1. 150
2. 93
3. 15, 60