SnowWork 2016

Solving two-digit subtraction problems with and without regrouping.

Without Regrouping:

$$47 - 24 =$$

Expand: $40 + 7 - 20 + 4 =$

Subtract the ones: $7 - 4 = 3$

Subtract the tens: $40 - 20 = 20$

Add the values: $20 + 3 = 23$

Hundreds	Tens	Ones

2   3

With Regrouping:

$$43 - 26 =$$

If you follow the steps from above, you will not be able to subtract 6 from 3 (3 – 6 IS NOT POSSIBLE) because of this, we have to think about the numbers in a different way and find a way to make enough ones for us to subtract 6.

Borrow from the tens: $40 - 10 = 30$

Add the borrowed ten to the ones place: $10 + 3 = 13$

Now you have enough ones in the ones place (13), but the number you are taking away from has not changed (30 + 13 = 43)

Subtract the ones: $13 - 6 = 7$

Subtract the tens: $30 - 20 = 10$

It is important to remember to subtract all of the original number (26). Sometimes we think we already subtracted because we borrowed, but we did not!

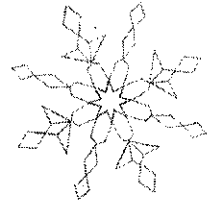**Add the subtracted values:** $10 + 7 = 17$

Hundreds	Tens	Ones

1   7

Solving a word problem and writing to explain HOW the problem was solved.

It was snowing and my friends came over to play. We had a snowball fight. My team made 62 snowballs. During the fight, we threw 27 snowballs. How many snowballs did my team have left?

Answer statement:

Show HOW you solved the problem using equations and the place value board.

62 – 27 =

60 – 10 = 50

10 + 2 = 12

12 – 7 = 5

50 –20 = 30

30 + 5 = 35

Hundreds	Tens	Ones

Write to explain how to solve the problem. Include:
- ☐ How you knew which operation to use
- ☐ Tell what strategy you used
- ☐ Explain the steps you used to solve the problem

Write to explain HOW the problem was solved (use checklist).

I knew that I was going to have to subtract because the problem asked me to figure out how many snowballs were left after the fight.

First, I knew that I didn't have enough ones in the ones place to subtract 7, so I had to borrow a ten from 60 to add to the ones place. This gave me 50 tens in the tens place, and 12 ones in the ones place.

Next, I could subtract my number 27. I subtracted the 7 ones from the 12 ones to get 5. Then I subtracted 20 from 50 to get 30.

Finally, I added my leftover tens and ones together to get 35.

Complete the following subtraction problems. Be sure to SHOW YOUR WORK (see attached sheet and first problem for example).
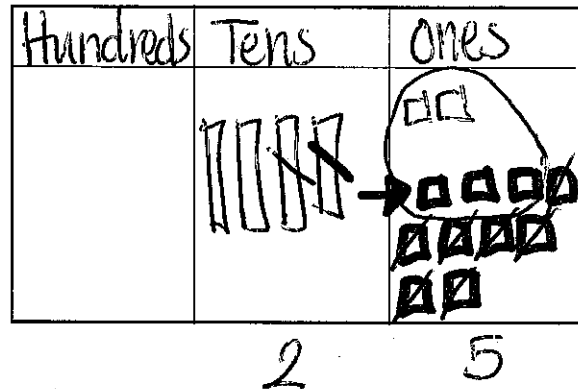
1) 42 – 17 =

    40 – 10 = 30

    10 + 2 = 12

    12 – 7 = 5

    30 – 10 = 20

    20 + 5 = 25

Hundreds	Tens	Ones
	2	5

2) 63 – 26 =

Hundreds	Tens	Ones

3) 81 – 34 =

Hundreds	Tens	Ones

4) 56 – 23 =

Hundreds	Tens	Ones

5) 50 – 24 =

Hundreds	Tens	Ones

Solve the word problem below and write to explain how you solved it.

It was snowing and my friends came over to play. We had a snowball fight. My team made 52 snowballs. During the fight, we threw 35 at the other team. How many snowballs did my team have left?

Answer Statement: _____

_____

Show HOW you solved the problem using equations and the place value board.

Hundreds	Tens	Ones

Write to explain how you solved the problem *(see attached sheet for checklist).*

_____

_____

_____

_____