

Date: _____

W.S (2.C.1) - Compose and Decompose 3-Digit Numbers.

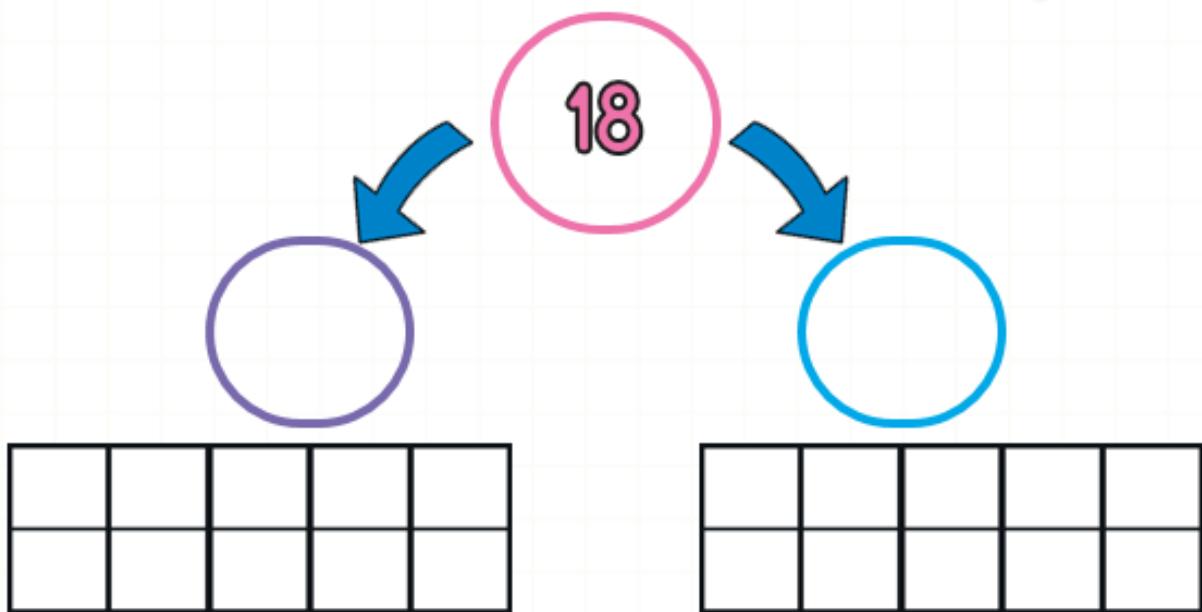
Objectives: Compose and decompose numbers using 10s and 1s.

Write a number using hundreds, tens and ones.

Put hundreds, tens and ones together to make a number.

Regroup 2-digit numbers.

Composing 18 using 1s and 10s



Q1. Compose numbers using 10s and 1s

$$\underline{\quad} + \underline{\quad} = 19$$

$$\underline{\quad} + \underline{\quad} = 11$$

$$\underline{\quad} + \underline{\quad} = 15$$

$$\underline{\quad} + \underline{\quad} = 13$$

$$\underline{\quad} + \underline{\quad} = 10$$

$$\underline{\quad} + \underline{\quad} = 17$$

Now you try! Compose 16 using 10s and 1s.

Q2. Decompose numbers using 10s and 1s

$$17 = \underline{\quad} + \underline{\quad}$$

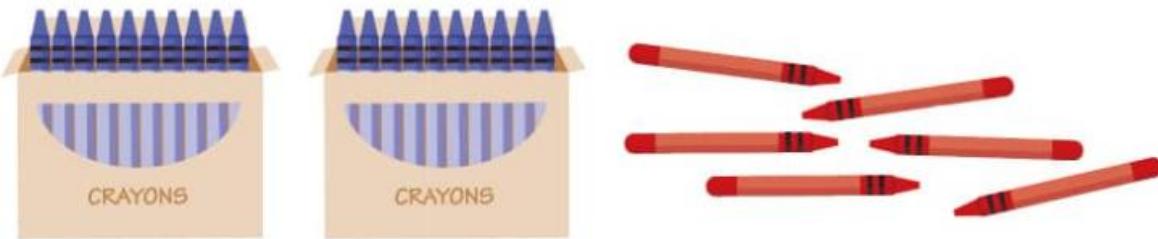
$$13 = \underline{\quad} + \underline{\quad}$$

$$19 = \underline{\quad} + \underline{\quad}$$

$$15 = \underline{\quad} + \underline{\quad}$$

Now you try! Decompose 14 using 10s and 1s.

Q3.



- How many tens are there? _____
- How many ones are there? _____
- There are _____ tens and _____ ones so there are _____ in total.
- we can compose _____ using 10s and 1s:

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

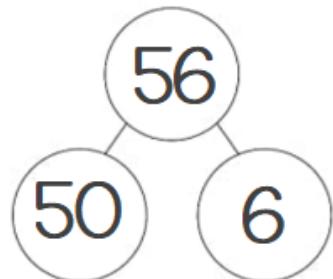
- we can decompose _____ using 10s and 1s:

$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

Q4. Compose the numbers using 10s and 1s.

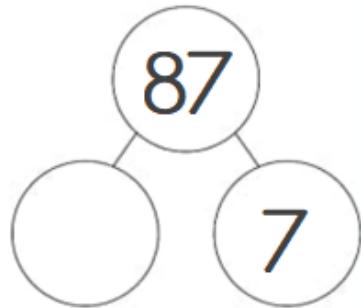
56:

$$\underline{\quad} + \underline{\quad} = 56$$



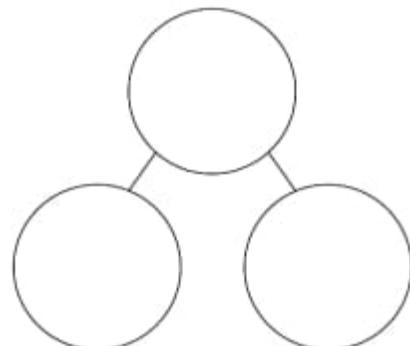
87:

$$\underline{\quad} + \underline{\quad} = 87$$



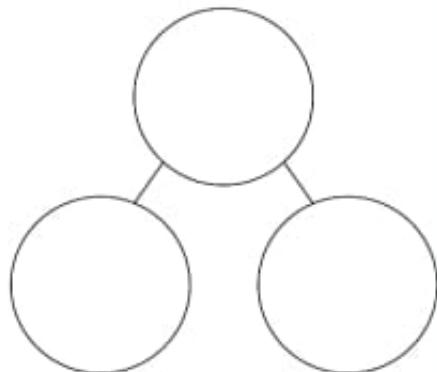
91:

$$\underline{\quad} + \underline{\quad} = 91$$



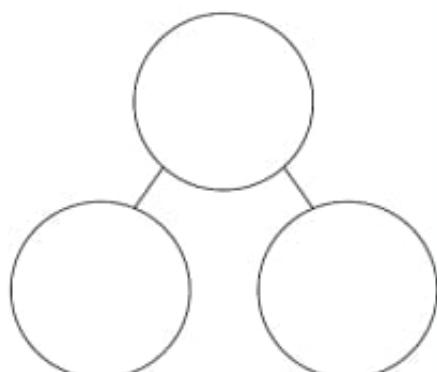
88:

$$\underline{\quad}$$

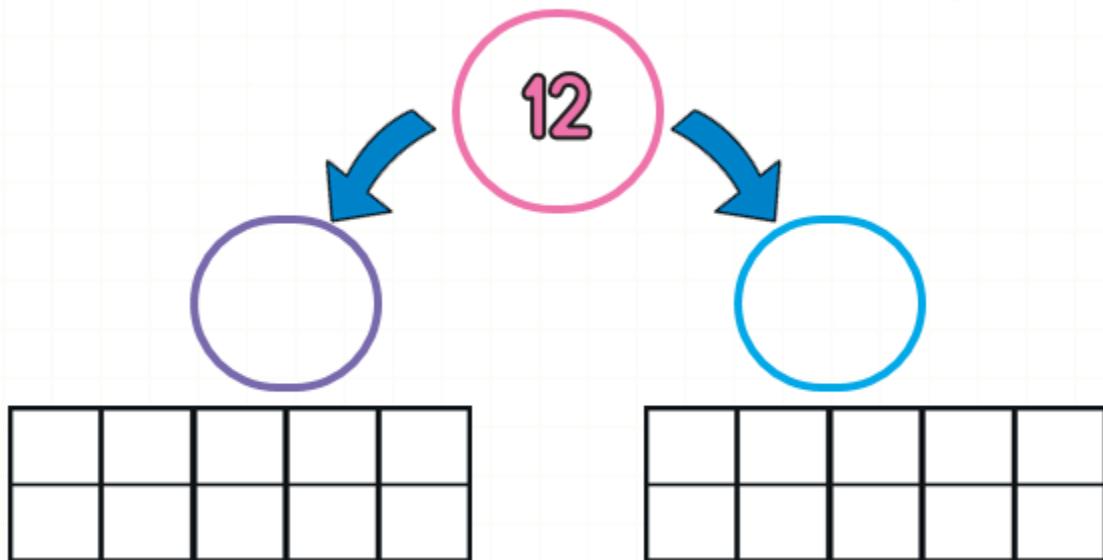


37:

$$\underline{\quad}$$



Decomposing 12 using 1s and 10s

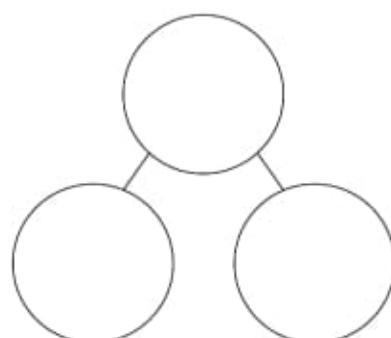


$$12 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

Q5. Decompose the numbers using 10s and 1s.

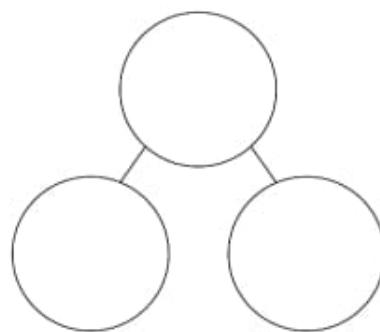
65:

$$65 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

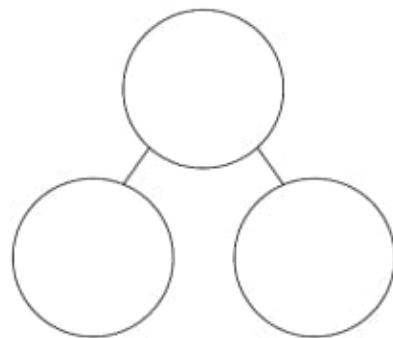


78:

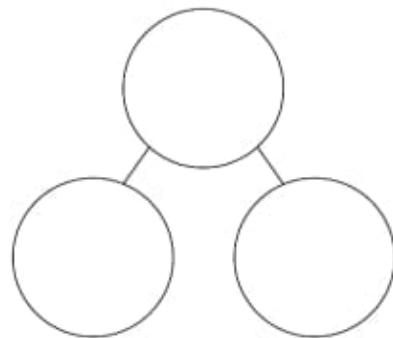
$$78 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$



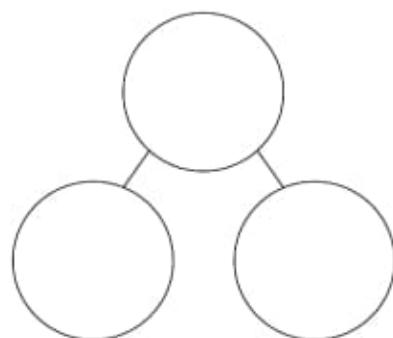
83:



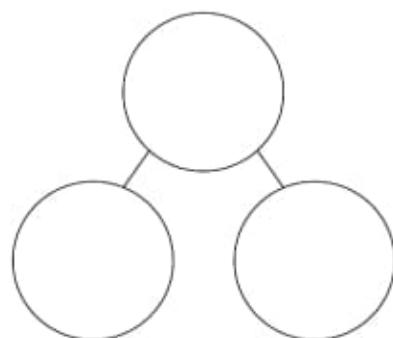
52:



95:

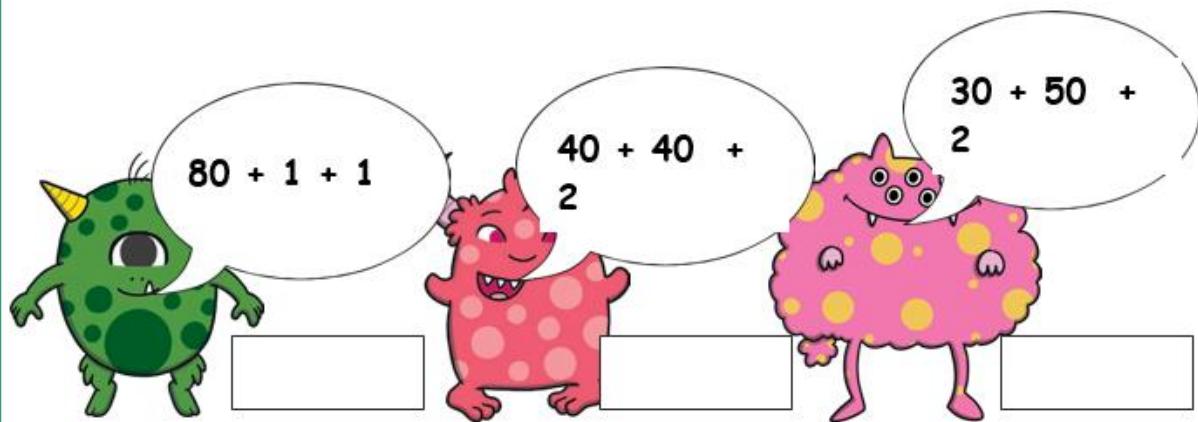
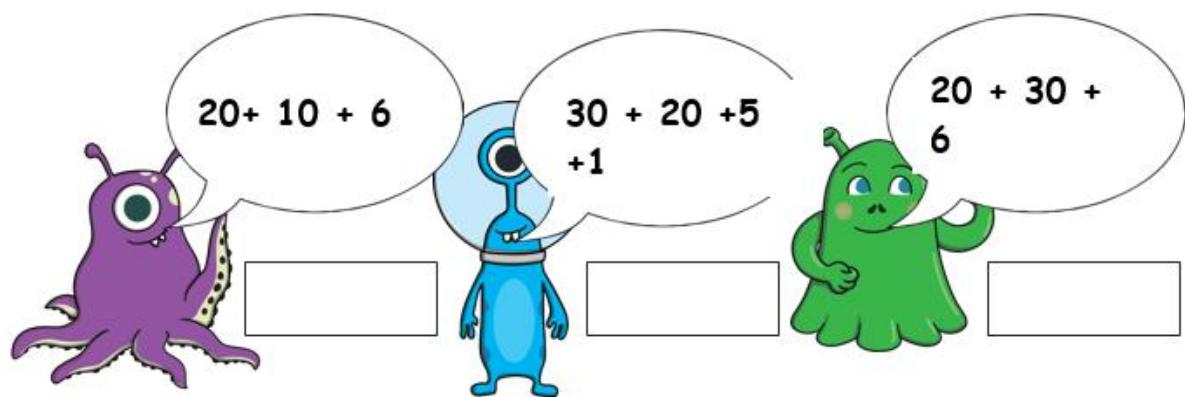
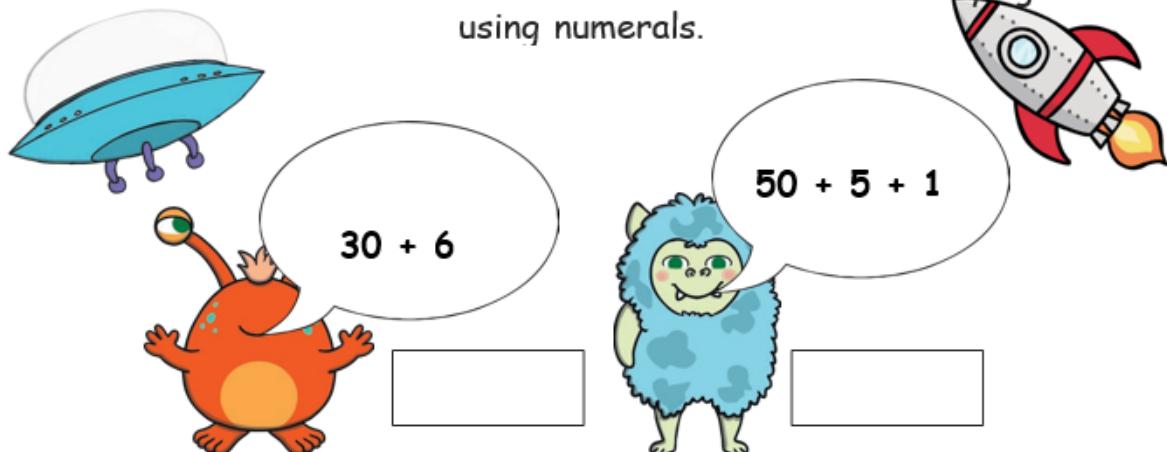


59:



Alien Numbers

The aliens are speaking another language and only mathematicians can hear them. Write the numbers the aliens are saying using numerals.



Regroup Numbers

As we see, $36 = 30 + 6$, and $36 = 20 + 10 + 6$

Also, $56 = 50 + 5 + 1$, $56 = 20 + 30 + 6$ and

$56 = 30 + 20 + 5 + 1$

So, we can regroup numbers in many ways, we can regroup the ones, the tens or the tens and the ones.

To regroup 78:

- we can regroup the tens only like,

$78 = 30 + 30 + 10 + 8$ or, $78 = 60 + 10 + 8$ or any other way.

- we can regroup the ones only like,

$78 = 70 + 3 + 5$ or, $70 + 2 + 6$ or any other way.

- we can regroup the ones and the tens like,

$78 = 30 + 30 + 10 + 7 + 1$ or any other way.

Q6. Regroup the numbers.

69: _____

35: _____

92: _____

88: _____

Q7. Fill in the blanks.

$$36 = \underline{\quad} + 5 + \underline{\quad}$$

$$57 = 50 + \underline{\quad} + 2 + 1$$

$$67 = 20 + \underline{\quad} + 7$$

$$29 = 10 + \underline{\quad} + 5 + \underline{\quad}$$

Q8. Find the numbers.

$$a) 600 + 2 = \underline{\quad}$$

$$b) 300 + 50 + 8 = \underline{\quad}$$

$$c) 800 + 90 = \underline{\quad}$$

$$d) 100 + 70 + 1 = \underline{\quad}$$