

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

_____ + _____ = 18

Q1. Compose numbers using 10s and 1s

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 19$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 11$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 15$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 13$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 10$$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 17$$

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

Q2. Decompose numbers using 10s and 1s

$$17 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

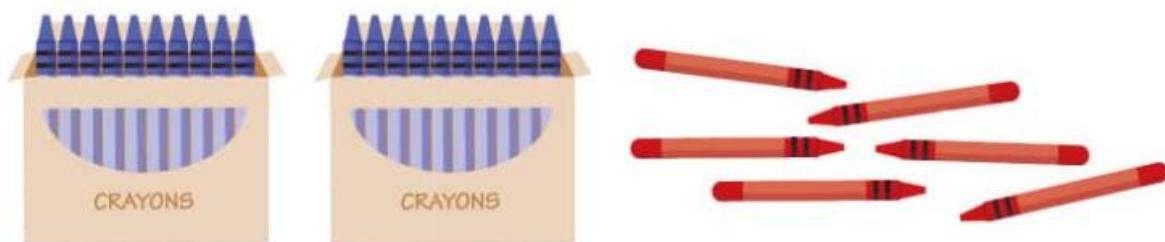
$$13 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$19 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$15 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

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:

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

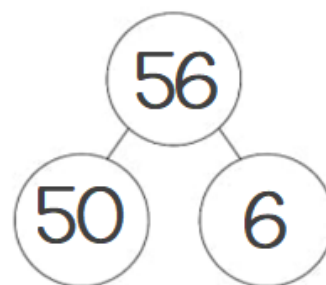
- we can decompose _____ using 10s and 1s:

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

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

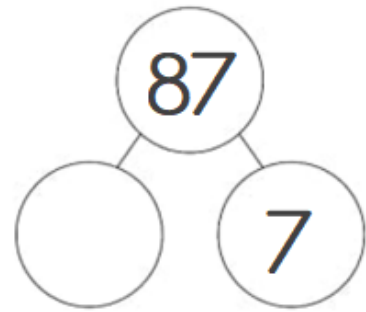
56:

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 56$$



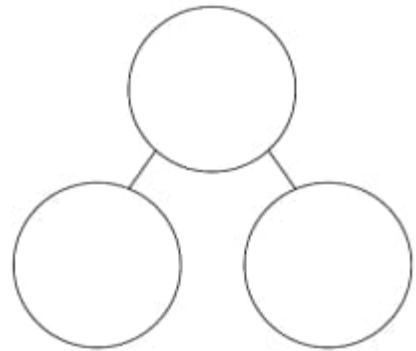
87:

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 87$$

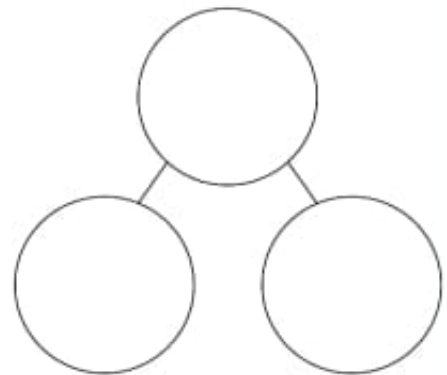


91:

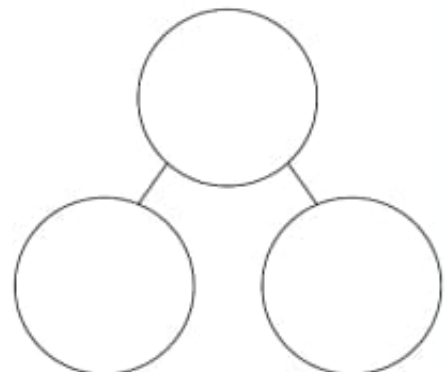
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 91$$



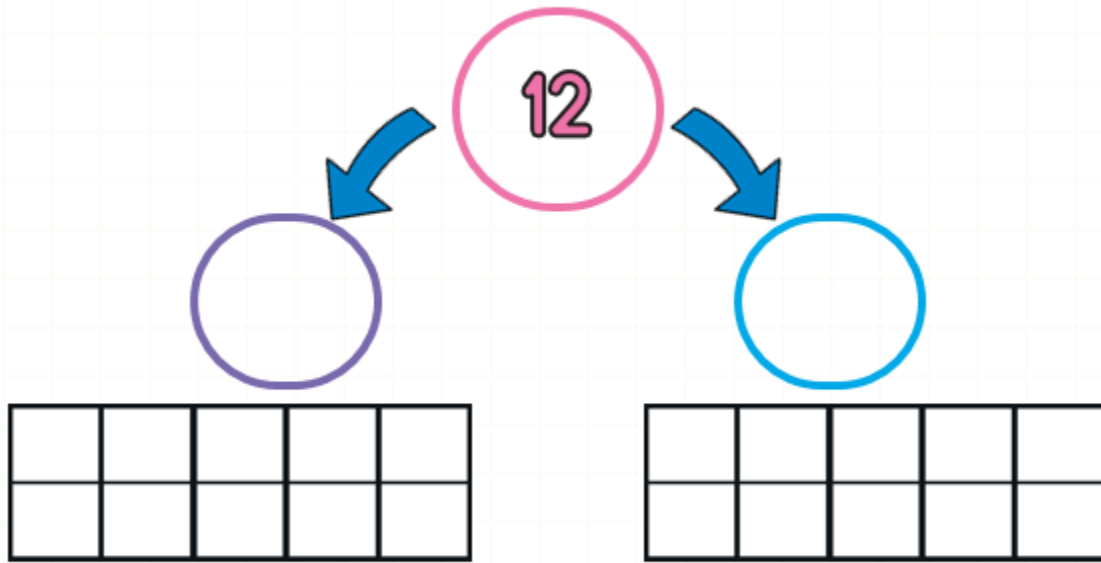
88:



37:



Decomposing 12 using 1s and 10s

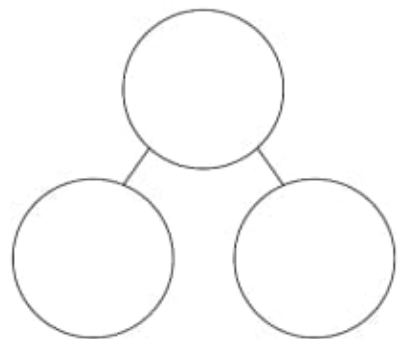


$$12 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

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

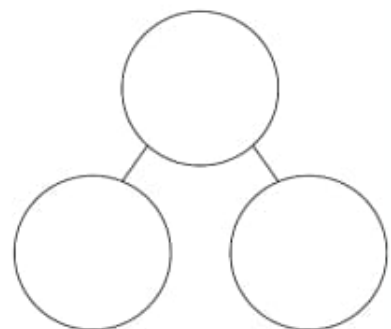
65:

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

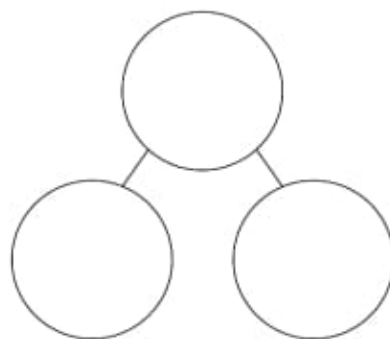


78:

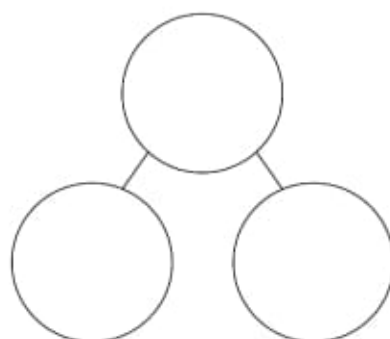
$$78 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$



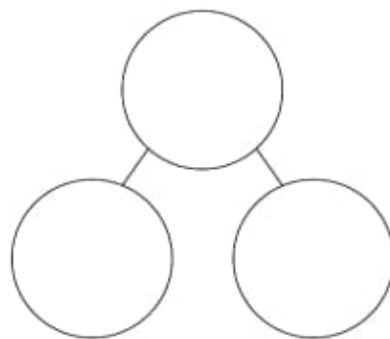
83:



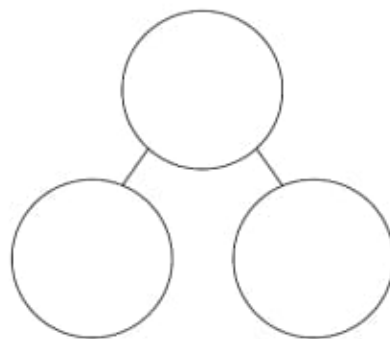
52:



95:



59:



Alien Numbers

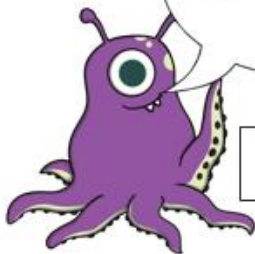
The aliens are speaking another language and only mathematicians can hear them. Write the numbers the aliens are saying using numerals.



$$30 + 6$$



$$50 + 5 + 1$$



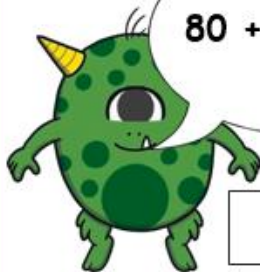
$$20 + 10 + 6$$



$$30 + 20 + 5 + 1$$



$$20 + 30 + 6$$



$$80 + 1 + 1$$



$$40 + 40 + 2$$



$$30 + 50 + 2$$

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,

$$78 = 30 + 30 + 10 + 8 \text{ or, } 78 = 60 + 10 + 8 \text{ or any other way.}$$

- we can regroup the ones only like,

$$78 = 70 + 3 + 5 \text{ or, } 70 + 2 + 6 \text{ or any other way.}$$

- we can regroup the ones and the tens like,

$$78 = 30 + 30 + 10 + 7 + 1 \text{ or any other way.}$$

Q6. Regroup the numbers.

69: _____

35: _____

92: _____

88: _____

Q7. Fill in the blanks.

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

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

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

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

Q8. Find the numbers.

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

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

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

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