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

10   8

10   +   8   = 18
_____   _____
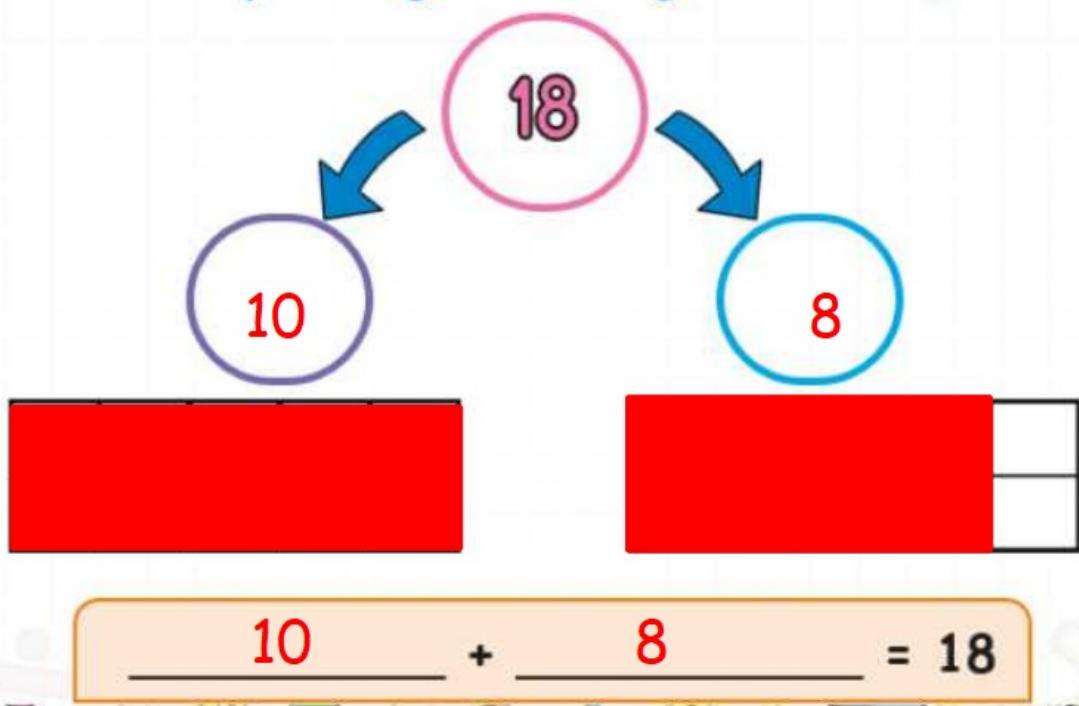
composing
use 10s and 1s

greater number is at the end
of the number sentence

Q1. Compose numbers using 10s and 1s

__10__ + __9__ = 19   __10__ + __1__ = 11

__10__ + __5__ = 15   __10__ + __3__ = 13

__10__ + __0__ = 10   __10__ + __7__ = 17

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

10 + 6   = 16

_____

Q2. Decompose numbers using 10s and 1s

17 = __10__ + __7__   13 = __10__ + __3__

19 = __10__ + __9__   15 = __10__ + __5__

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

14 = 10 + 4   Decompose*
_____

greater number and equal sign are in the beginning
of the number sentence 38

Q3. 1 ten   1 ten   6 ones
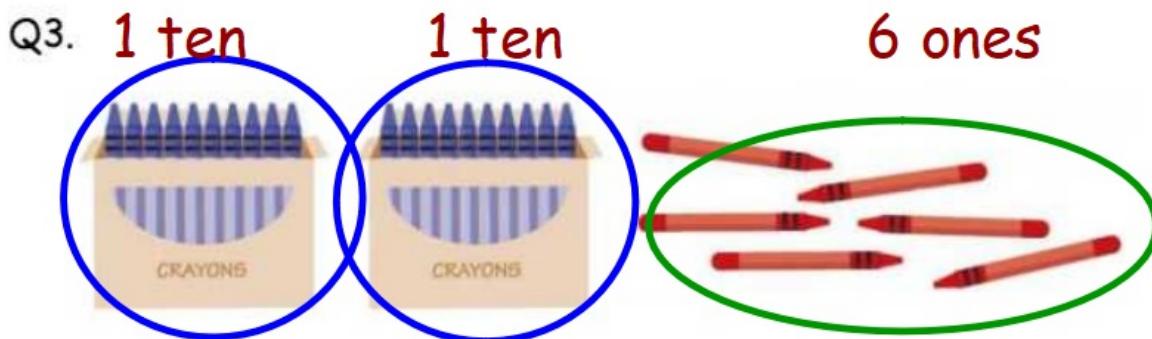
- How many tens are there? __2__
- How many ones are there? __6__
- There are __2__ tens and __6__ ones so there are __26__ in total.
- we can compose __26__ using 10s and 1s:

   __20__ + __6__ = __26__

- we can decompose __26__ using 10s and 1s:

   __26__ = __20__ + __6__

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

equal sign at the end

56:

   __50__ + __6__ = 56

56
50   6

39
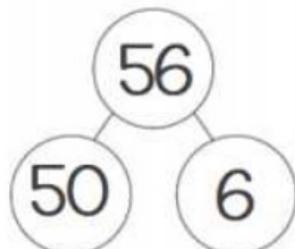
Compose (equal sign at the end)

87:

$\underline{\hspace{1em}80\hspace{1em}}$ + $\underline{\hspace{1em}7\hspace{1em}}$ = 87

87

80   7

91:

$\underline{\hspace{1em}90\hspace{1em}}$ + $\underline{\hspace{1em}1\hspace{1em}}$ = 91

91

90   1

88:

$\underline{80\ +\ 8 = 88\hspace{6em}}$

88

80   8

37:

$\underline{30\ +\ 7\ = 37\hspace{5em}}$

37

30   7

40
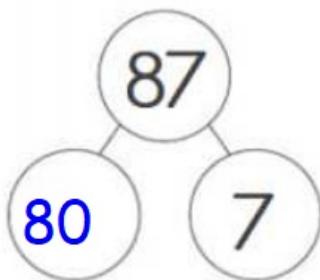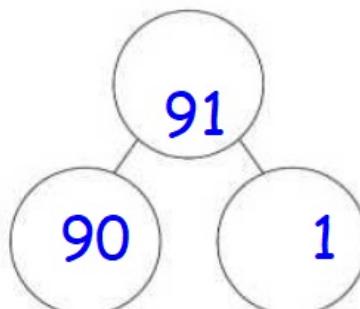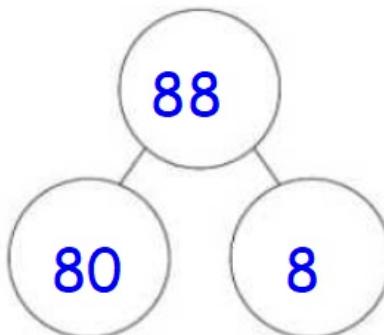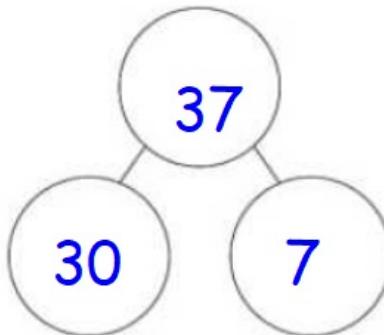
Decomposing 12 using 1s and 10s

12

10   2

12 = _____10_____ + _____2_____
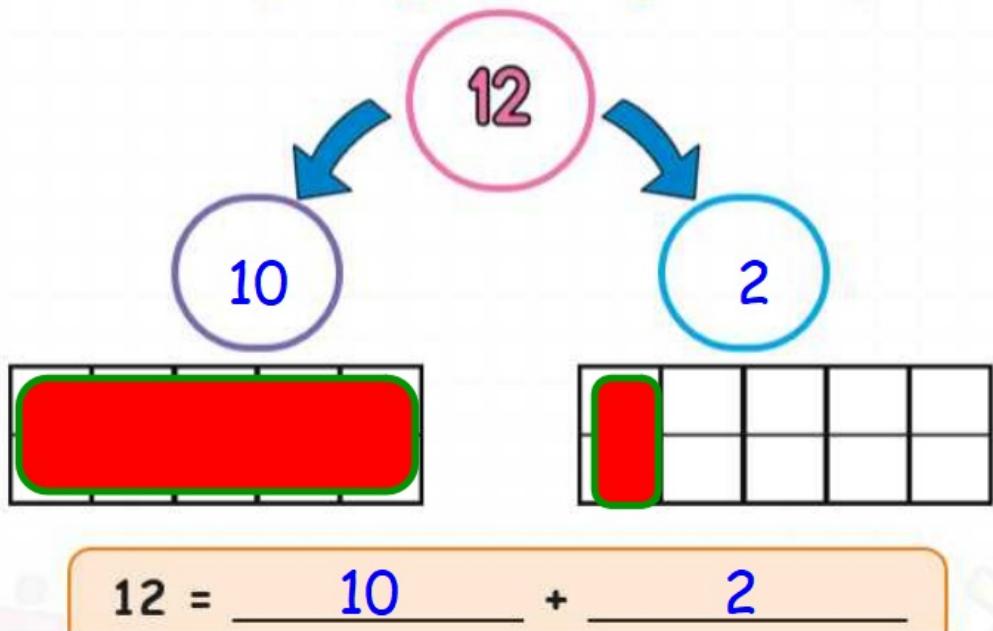
equal sign in the beginning

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

65:

65 = ___60___ + ___5___

65

60   5

78:

78 = ___70___ + ___8___

78

70   8

41
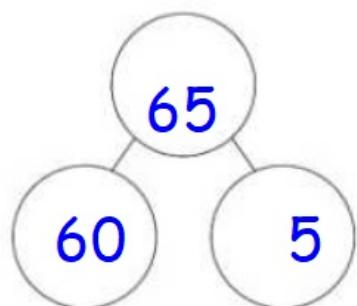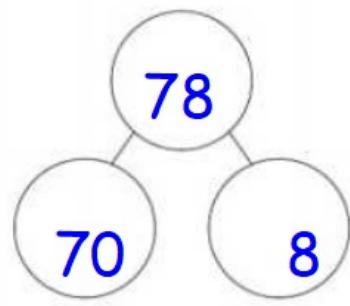
Decompose (equal sign in the beginning)

83:

$$83 = 80 + 3$$

```
      83
     /  \
   80    3
```

52:

$$52 = 50 + 2$$

```
      52
     /  \
   50    2
```

95:

$$95 = 90 + 5$$

```
      95
     /  \
   90    5
```

59:
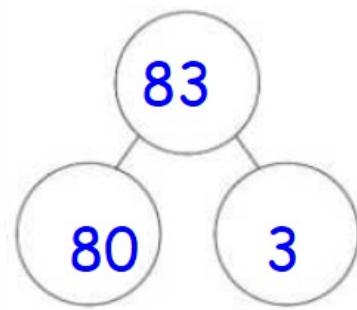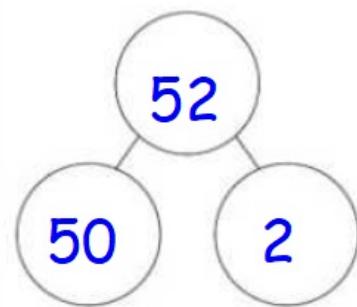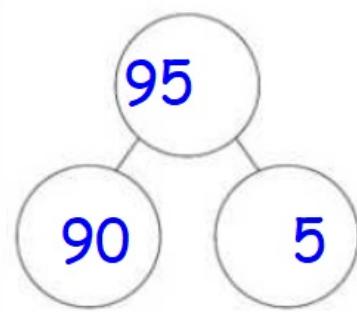
$$59 = 50 + 9$$

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      59
     /  \
   50    9
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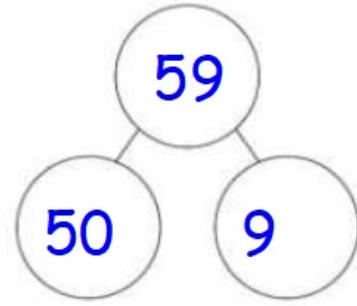
Alien Numbers

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

30 + 6

36

50 + 5 + 1

56

20 + 10 + 6

36

30 + 20 + 5 + 1

56

20 + 30 + 6

56

80 + 1 + 1

82

40 + 40 + 2

82

30 + 50 + 2

82