

Date: \_\_\_\_\_

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

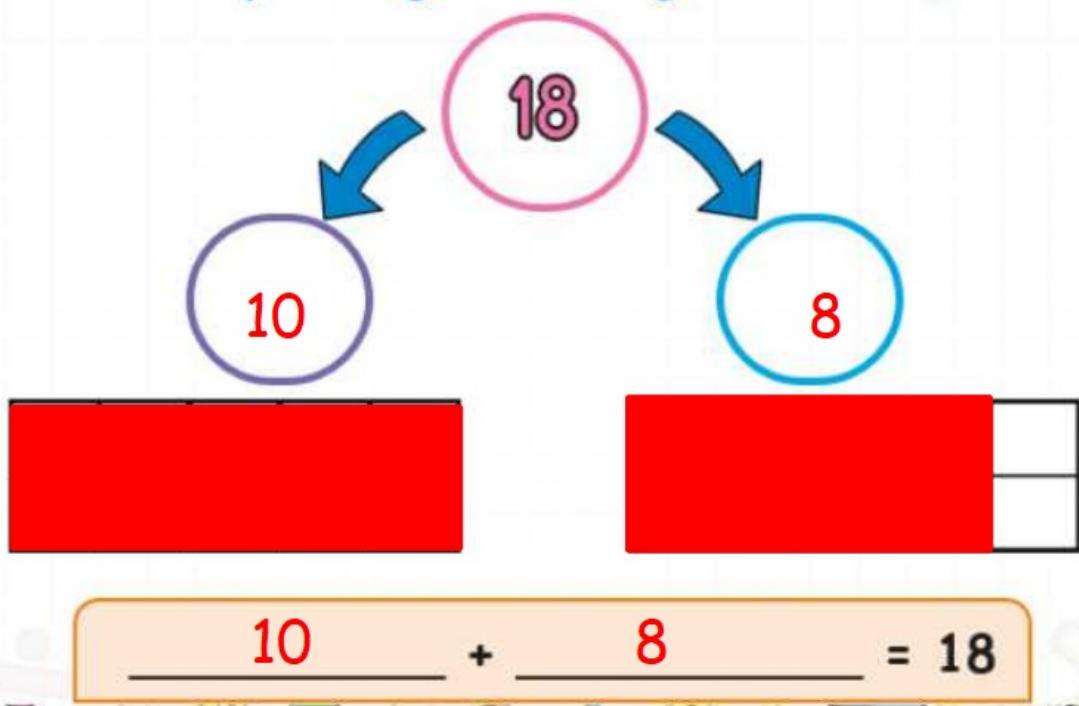
Objectives: Compose and decompose numbers using 10s and 1s.

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



composing  
use 10s and 1s

greater number is at the end  
of the number sentence

Q1. Compose numbers using 10s and 1s

$$\underline{10} + \underline{9} = 19$$

$$\underline{10} + \underline{5} = 15$$

$$\underline{10} + \underline{0} = 10$$

$$\underline{10} + \underline{1} = 11$$

$$\underline{10} + \underline{3} = 13$$

$$\underline{10} + \underline{7} = 17$$

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

$$10 + 6 = 16$$

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Q2. Decompose numbers using 10s and 1s

$$17 = \underline{10} + \underline{7}$$

$$19 = \underline{10} + \underline{9}$$

$$13 = \underline{10} + \underline{3}$$

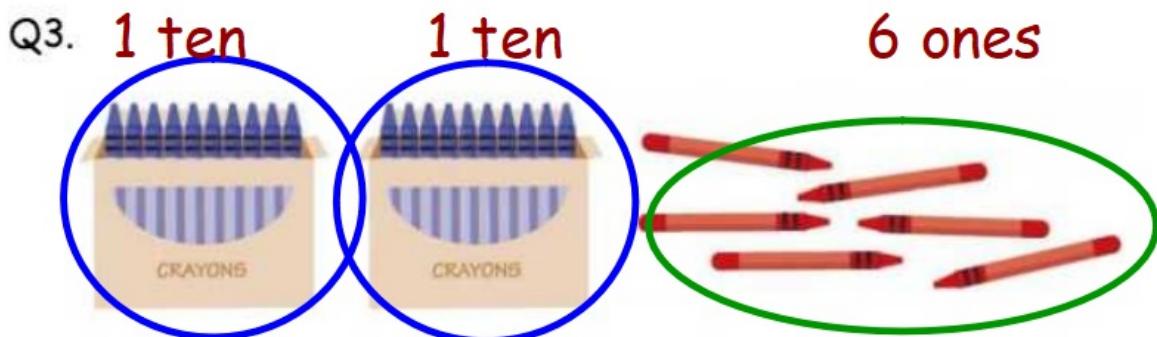
$$15 = \underline{10} + \underline{5}$$

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



- 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:

$$\underline{20} + \underline{6} = \underline{26}$$

- we can decompose 26 using 10s and 1s:

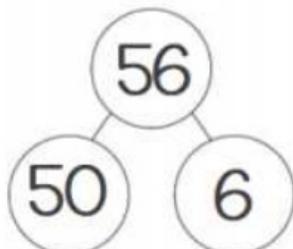
$$\underline{26} = \underline{20} + \underline{6}$$

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

equal sign at the end

56:

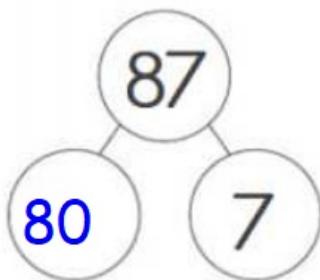
$$\underline{50} + \underline{6} = 56$$



## Compose (equal sign at the end)

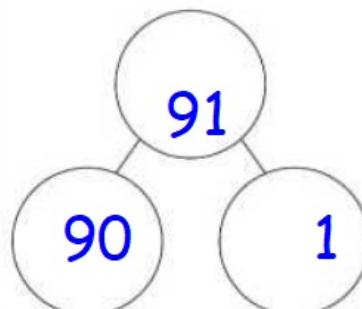
87:

$$\underline{80} + \underline{7} = 87$$



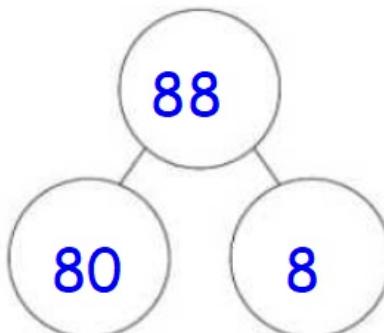
91:

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



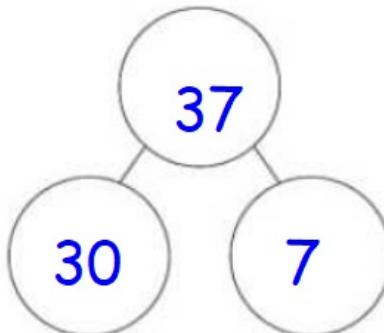
88:

$$\underline{80 + 8 = 88}$$

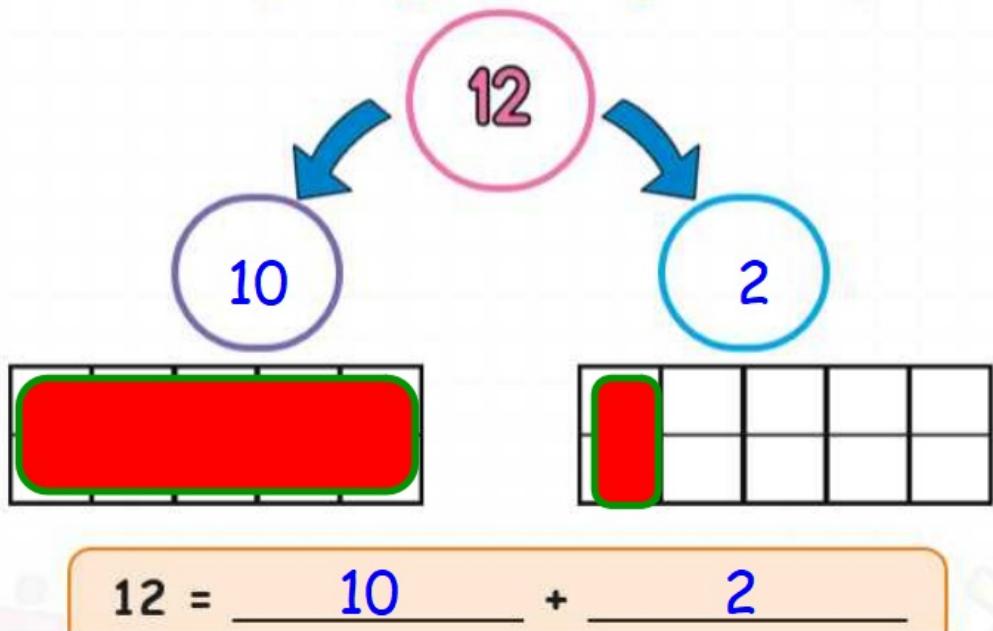


37:

$$\underline{30 + 7 = 37}$$



## Decomposing 12 using 1s and 10s

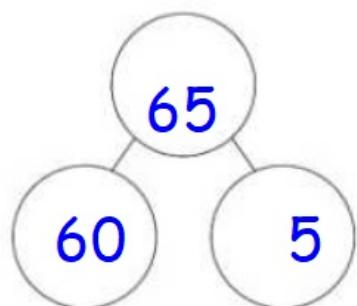


equal sign in the beginning

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

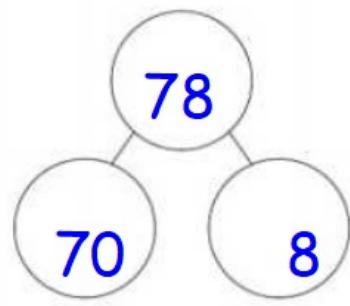
65:

$$65 = \underline{60} + \underline{5}$$



78:

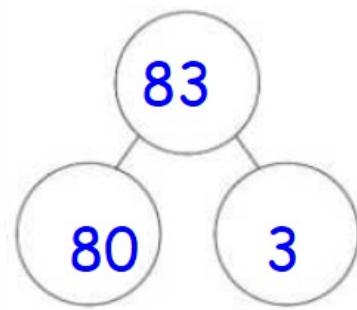
$$78 = \underline{70} + \underline{8}$$



## Decompose (equal sign in the beginning)

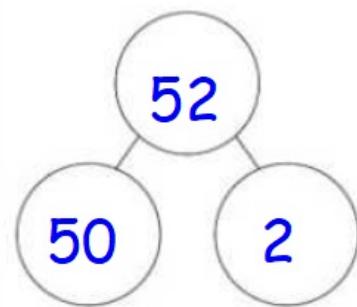
83:

$$\underline{83 = 80 + 3}$$



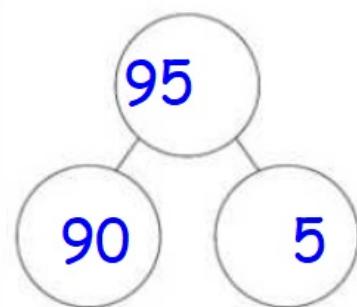
52:

$$\underline{52 = 50 + 2}$$



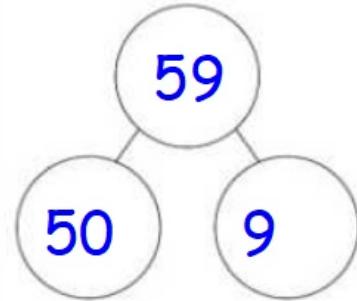
95:

$$\underline{95 = 90 + 5}$$



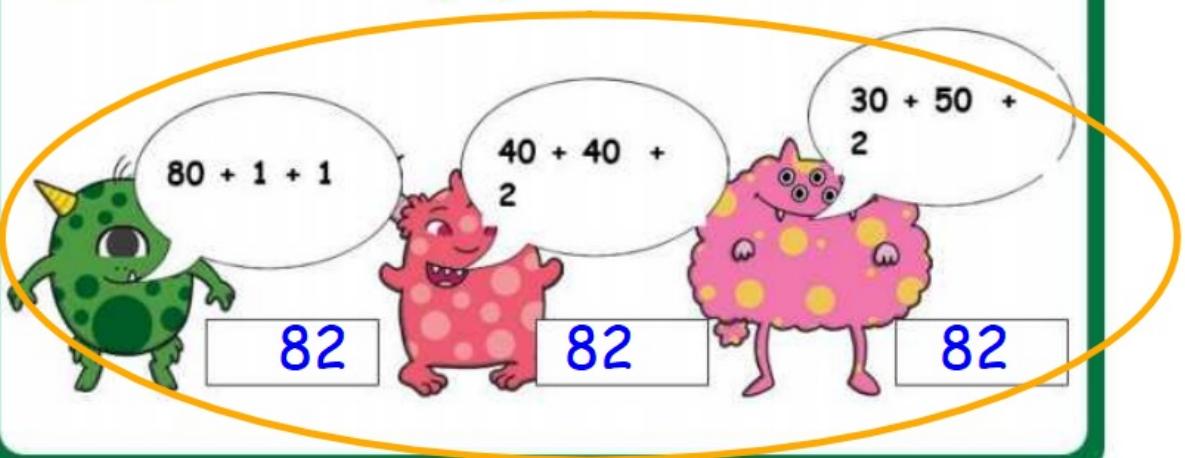
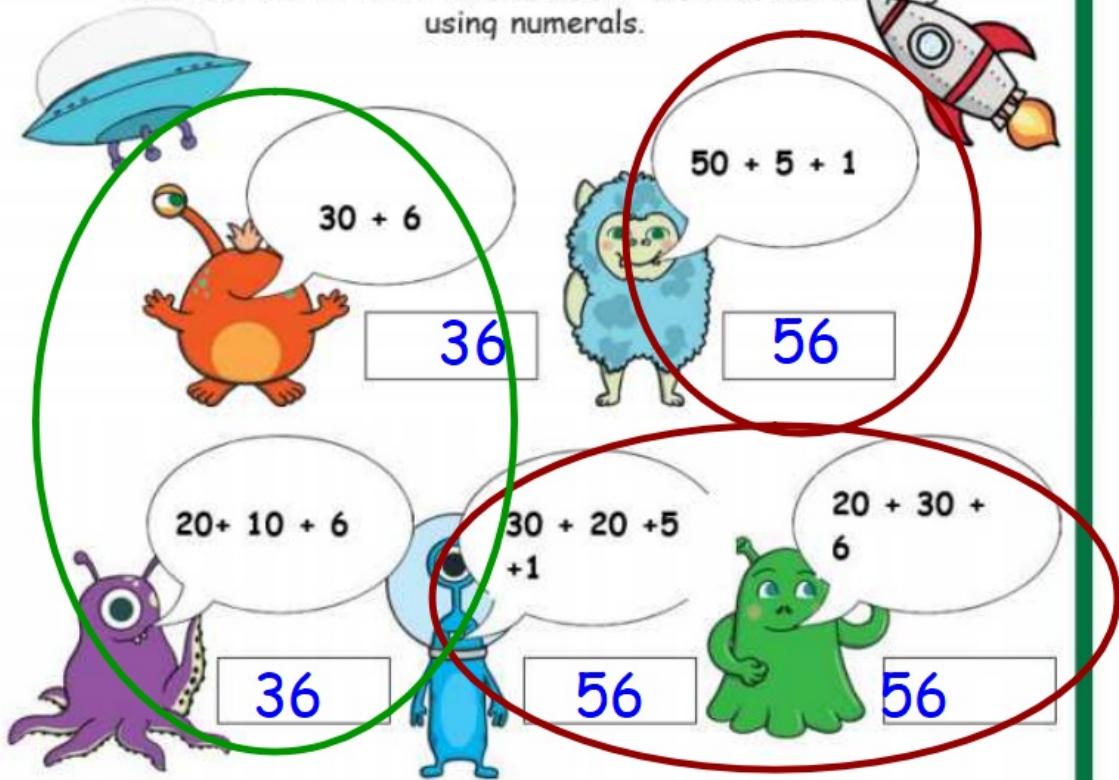
59:

$$\underline{59 = 50 + 9}$$



## Alien Numbers

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



Q6. Regroup the numbers.

69:  $69 = 30 + 30 + 5 + 4$  any other correct option is acceptable.

35:  $35 = 20 + 10 + 1 + 2$  any other correct option is acceptable.

92:  $92 = 50 + 40 + 1 + 1$  any other correct option is acceptable.

88:  $88 = 40 + 40 + 4 + 4$  any other correct option is acceptable.

Q7. Fill in the blanks.

$$36 = \underline{30} + 5 + \underline{1}$$

$$57 = 50 + \underline{4} + 2 + 1$$

$$67 = 20 + \underline{40} + 7$$

$$29 = 10 + \underline{10} + 5 + \underline{4}$$

Q8. Find the numbers.

a)  $600 + 2 = \underline{602}$

b)  $300 + 50 + 8 = \underline{358}$

c)  $800 + 90 = \underline{890}$

d)  $100 + 70 + 1 = \underline{171}$

Q9. Fill in the blanks.

a)  $879 = \underline{8}$  hundreds +  $\underline{7}$  tens +  $\underline{9}$  ones

When the words are written (hundreds/tens/ones), we don't write the zeros

b)  $879 = \underline{800} + \underline{70} + \underline{9}$

c)  $952 = 900 + \underline{50} + \underline{2}$

When the words are not written, we write the numbers with zeros

d)  $532 = \underline{500} + \underline{30} + 2$

Q10. Decompose the following numbers.

a) 234:  $\underline{2}$  hundreds,  $\underline{3}$  tens,  $\underline{4}$  ones

b) 501:  $\underline{5}$  hundreds,  $\underline{0}$  tens,  $\underline{1}$  ones

c) 671:  $\underline{6}$  hundreds,  $\underline{7}$  tens,  $\underline{1}$  ones

d)  $594 = 500 + \underline{90} + \underline{4}$

e)  $107 = \underline{100} + 7$

f)  $312 = 300 + \underline{10} + \underline{2}$

g)  $630 = \underline{600} + \underline{30}$

Q11. Fill in the blanks to compose the numbers.

a)  $700 + 60 + 8 = \underline{\hspace{2cm}} \quad 768$

b)  $500 + \underline{\hspace{2cm}} + 7 = 557$

c)  $\underline{\hspace{2cm}} + 8 = 208$

Q12. Decompose the following numbers.

378 = 300 + 70 + 8  
874 = 800 + 70 + 4  
298 = 200 + 90 + 8  
319 = 300 + 10 + 9  
752 = 700 + 50 + 2

835 = 800 + 30 + 5  
512 = 500 + 10 + 2  
128 = 100 + 20 + 8  
624 = 600 + 20 + 4  
774 = 700 + 70 + 4

Q13. Write the following numbers in standard form.

400 + 70 + 3 = 473  
600 + 20 + 6 = 626  
900 + 30 + 5 = 935  
700 + 30 + 8 = 738  
300 + 70 + 4 = 374  
800 + 10 + 7 = 817

200 + 60 + 7 = 267  
500 + 90 + 2 = 592  
100 + 40 + 7 = 147  
200 + 50 + 2 = 252  
300 + 30 + 6 = 336  
700 + 20 + 1 = 721

Q14. Write these numbers in numerals then fill the place value chart.

a)

Three hundred and nine  
309

Eight hundred and forty-two  
842

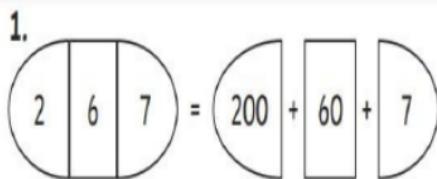
One hundred and eleven  
111

Five hundred ninety-seven  
597

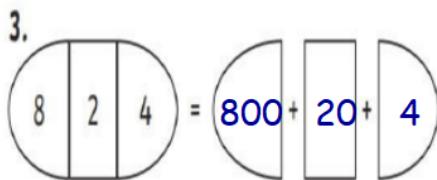
Seven hundred and twenty-five  
725

Number in standard form	Hundreds	Tens	Ones
309	3	0	9
842	8	4	2
111	1	1	1
597	5	9	7
725	7	2	5

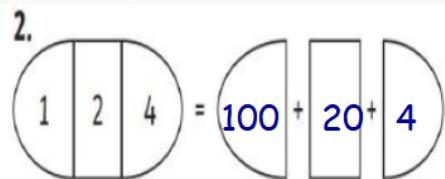
Q15. Decompose the following numbers into hundreds, tens and ones. The first one is done for you.

1. 

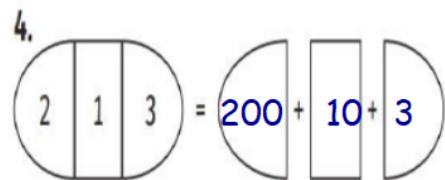
$$267 = 200 + 60 + 7$$

3. 

$$824 = 800 + 20 + 4$$

2. 

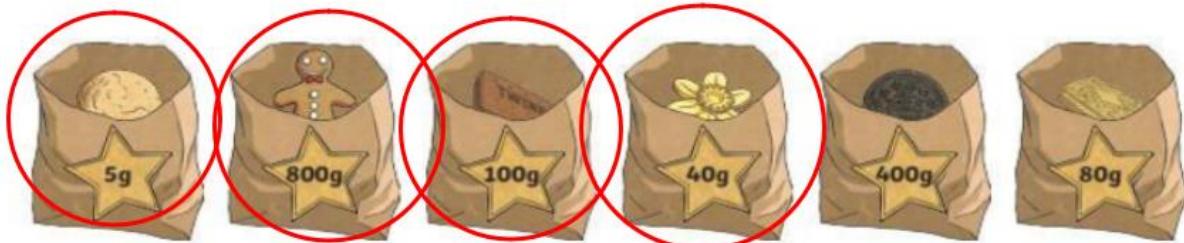
$$124 = 100 + 20 + 4$$

4. 

$$213 = 200 + 10 + 3$$

Q16. Rami needs nine hundred forty - five grams of biscuits for his Nan. Which four bags should he pick up? Circle the bags.

$$945 = 800 + 100 + 40 + 5$$



Q17. Match.

$$140+5=145$$

$$14 \text{ tens} + 5 \text{ ones}$$

$$400+100+30+6$$

$$400 + 130 + 6$$

$$860 + 2 = 862$$

$$86 \text{ tens} + 2 \text{ ones}$$

$$300 + 8 \text{ ones}$$

$$760+ 20 + 4 =$$

$$76 \text{ tens and } 24 \text{ ones}$$

