

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

_____ + _____ = 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

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

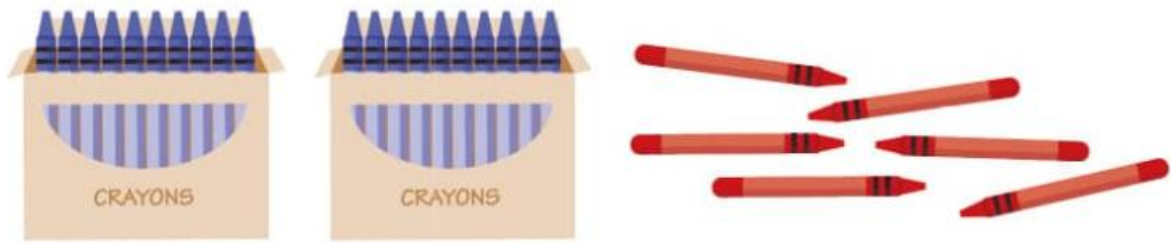
$$13 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

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

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

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:

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

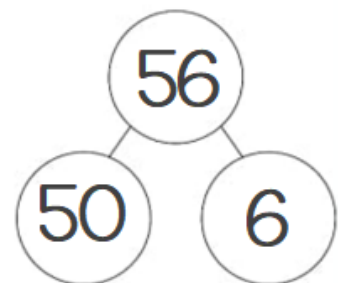
- we can decompose _____ using 10s and 1s:

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

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

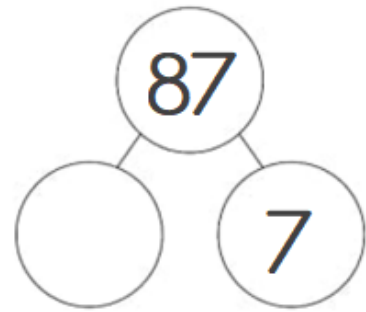
56:

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



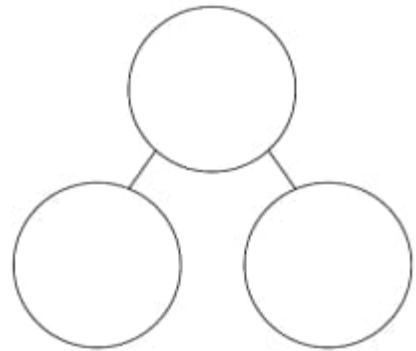
87:

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

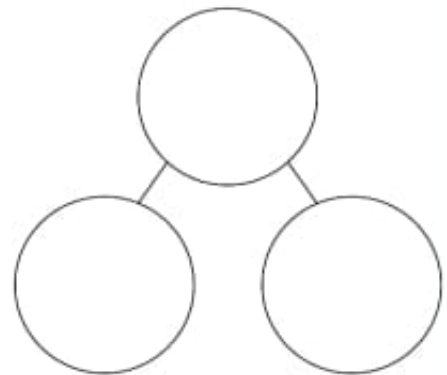


91:

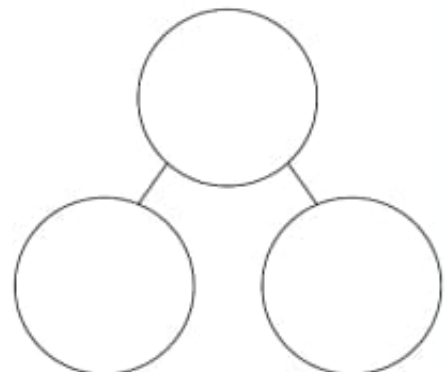
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 91$$



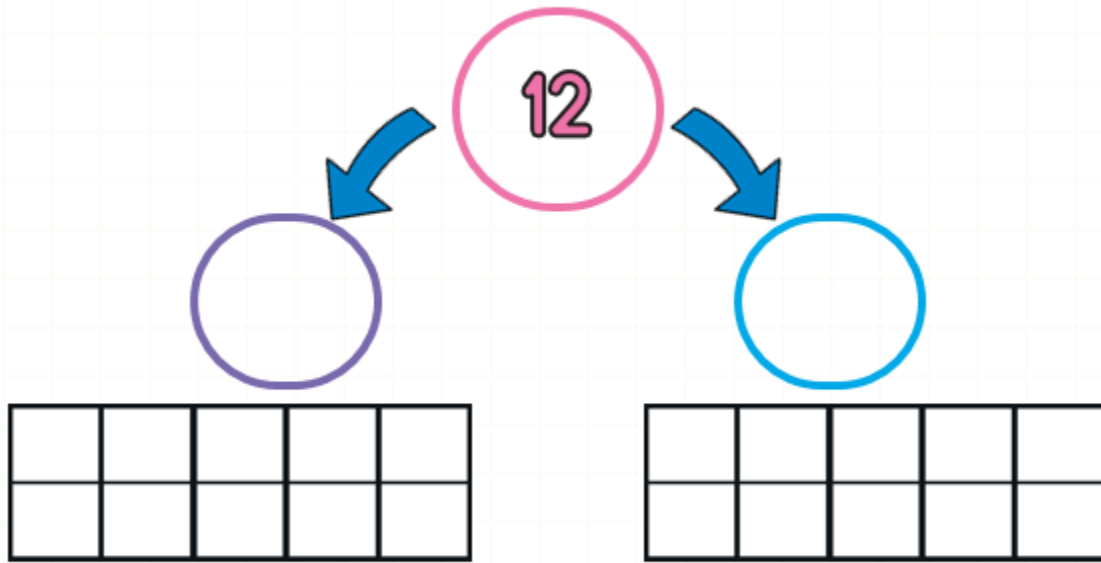
88:



37:



Decomposing 12 using 1s and 10s

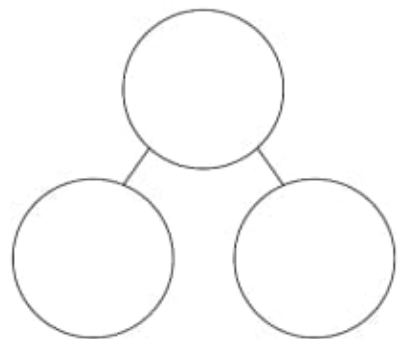


$$12 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

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

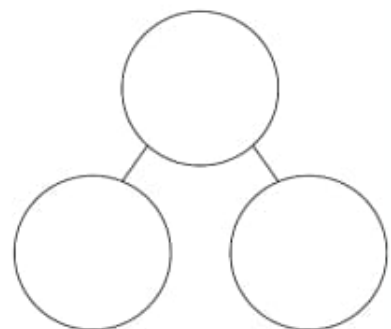
65:

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

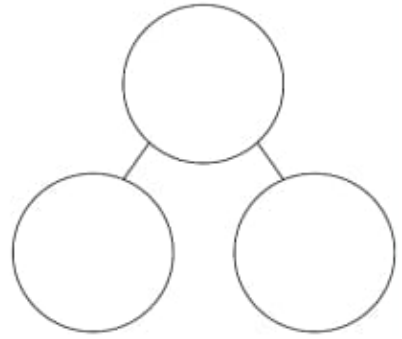


78:

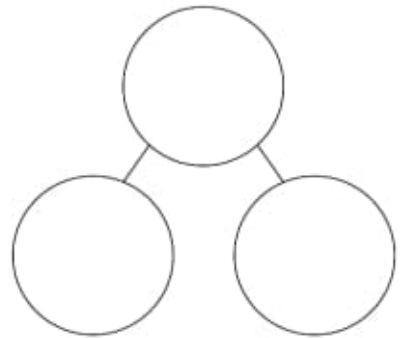
$$78 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$



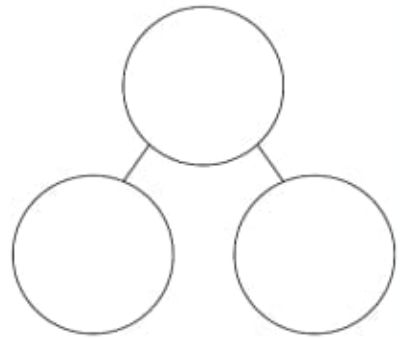
83:



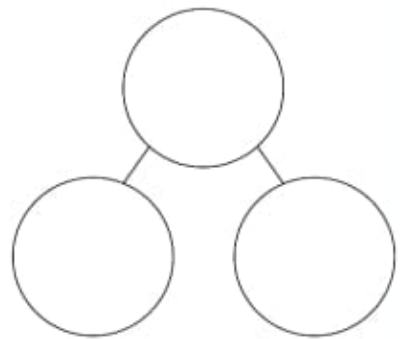
52:



95:



59:



Alien Numbers

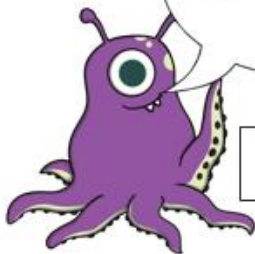
The aliens are speaking another language and only mathematicians can hear them. Write the numbers the aliens are saying using numerals.



$$30 + 6$$



$$50 + 5 + 1$$



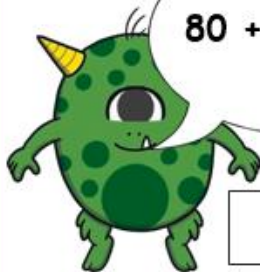
$$20 + 10 + 6$$



$$30 + 20 + 5 + 1$$



$$20 + 30 + 6$$



$$80 + 1 + 1$$



$$40 + 40 + 2$$



$$30 + 50 + 2$$

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.

$$36 = \underline{\hspace{1cm}} + 5 + \underline{\hspace{1cm}}$$

$$57 = 50 + \underline{\hspace{1cm}} + 2 + 1$$

$$67 = 20 + \underline{\hspace{1cm}} + 7$$

$$29 = 10 + \underline{\hspace{1cm}} + 5 + \underline{\hspace{1cm}}$$

Q8. Find the numbers.

a) $600 + 2 = \underline{\hspace{1cm}}$

b) $300 + 50 + 8 = \underline{\hspace{1cm}}$

c) $800 + 90 = \underline{\hspace{1cm}}$

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

Q9. Fill in the blanks.

a) $879 = \underline{\hspace{1cm}}$ hundreds + $\underline{\hspace{1cm}}$ tens + $\underline{\hspace{1cm}}$ ones

b) $879 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

c) $952 = 900 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

d) $532 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + 2$

Q10. Decompose the following numbers.

a) 234: $\underline{\hspace{1cm}}$ hundreds, $\underline{\hspace{1cm}}$ tens, $\underline{\hspace{1cm}}$ ones

b) 501: $\underline{\hspace{1cm}}$ hundreds, $\underline{\hspace{1cm}}$ tens, $\underline{\hspace{1cm}}$ ones

c) 671: $\underline{\hspace{1cm}}$ hundreds, $\underline{\hspace{1cm}}$ tens, $\underline{\hspace{1cm}}$ ones

d) $594 = 500 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

e) $107 = \underline{\hspace{1cm}} + 7$

f) $312 = 300 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

g) $630 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

Q11. Fill in the blanks to compose the numbers.

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

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

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

Q12. Decompose the following numbers.

378 = + +

874 = + +

298 = + +

319 = + +

752 = + +

835 = + +

512 = + +

128 = + +

624 = + +

774 = + +

Q13. Write the following numbers in standard form.

$400 + 70 + 3 = \underline{\hspace{2cm}}$

$600 + 20 + 6 = \underline{\hspace{2cm}}$

$900 + 30 + 5 = \underline{\hspace{2cm}}$

$700 + 30 + 8 = \underline{\hspace{2cm}}$

$300 + 70 + 4 = \underline{\hspace{2cm}}$

$800 + 10 + 7 = \underline{\hspace{2cm}}$

$200 + 60 + 7 = \underline{\hspace{2cm}}$

$500 + 90 + 2 = \underline{\hspace{2cm}}$

$100 + 40 + 7 = \underline{\hspace{2cm}}$

$200 + 50 + 2 = \underline{\hspace{2cm}}$

$300 + 30 + 6 = \underline{\hspace{2cm}}$

$700 + 20 + 1 = \underline{\hspace{2cm}}$

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

a)

Three hundred and nine

Eight hundred and forty-two

One hundred and eleven

Five hundred ninety-seven

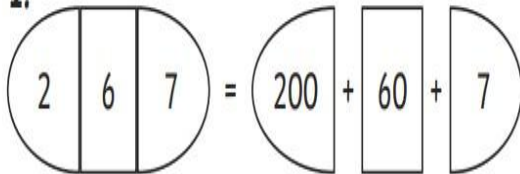
Seven hundred and twenty-five

b)

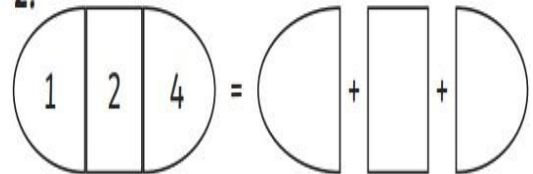
Number in standard form	Hundreds	Tens	Ones

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

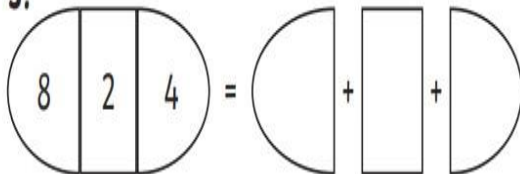
1.



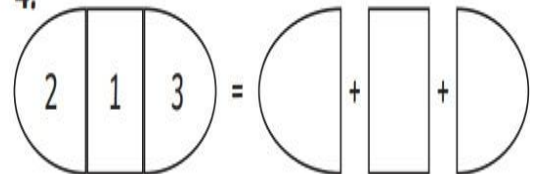
2.



3.



4.



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



Q17. Match.

14 tens + 5 ones	•	•	784
400 + 130 + 6	•	•	536
86 tens + 2 ones	•	•	308
300 + 8 ones	•	•	862
76 tens and 24 ones	•	•	145