

## answer key

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

### Chapter 2 Section C :

#### Compose, Decompose and Regroup 3-Digit Numbers (2.C.1)

Objective: Compose, decompose and regroup 3-Digit Numbers, using hundreds, tens, and ones.

**Composing** is putting a number together using its parts.

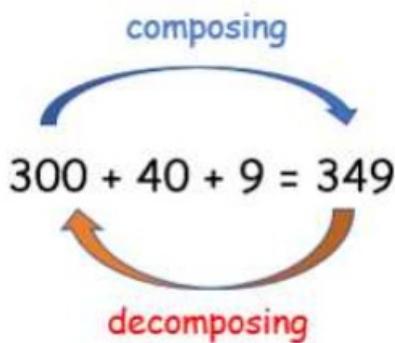
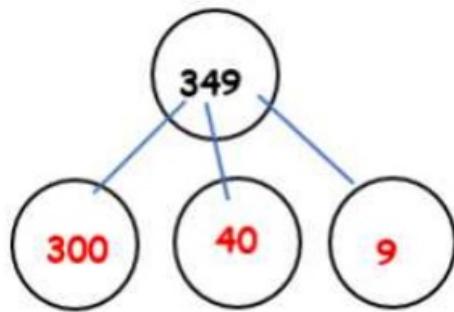
349 is **composed** of 3 hundreds, 4 tens and 9 ones.

In other words:

$$300 + 40 + 9 = 349$$

**Decomposing** is breaking down the number into its parts.

$$349 = 300 + 40 + 9 \text{ or}$$



Q1. The following statement is **incorrect**. Correct it.

256 is the same as  $200 + 5 + 60$ .

**200 + 5 + 60 = 265 not 256**

256 is the same as  $200 + 50 + 6$

Q2. Find the numbers.

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

b)  $300 + 50 + 9 = \underline{\text{359}}$

c)  $500 + 40 = \underline{\text{540}}$

d)  $400 + 70 + 1 = \underline{\text{471}}$

Q3. Fill in the blanks.

$$632 = 600 + \underline{\text{30}} + \underline{\text{2}}$$

$$632 = \underline{\text{6}} \text{ hundreds} + \underline{\text{3}} \text{ tens} + \underline{\text{2}} \text{ ones}$$

Regrouping is when you put together or break apart ones, tens or hundreds,...etc.

for example:

100

100 can be regrouped as ten tens

600 can be regrouped as 60 tens

600

300 can be regrouped as 2 hundreds and 10 tens

200

100

710 can be regrouped as 6 hundreds and 11 tens

600

110

Q4. Regroup the numbers. Fill in the blanks.

a)  $608 = 6$  hundreds +  $0$  tens +  $8$  ones

b)  $174 = 1$  hundreds +  $7$  tens +  $4$  ones

c)  $223 = 2$  hundreds +  $2$  tens +  $3$  ones

d)  $790 = 79$  tens +  $0$  ones

e)  $790 = 7$  hundreds +  $90$  ones

f)  $305 = 2$  hundreds +  $0$  tens +  $5$  ones

g)  $409 = 3$  hundreds +  $0$  tens +  $9$  ones

h)  $409 = 2$  hundreds +  $0$  tens +  $9$  ones

200 200

Q5. Regroup the number **575** in 5 different ways using the **place value chart**.

Hundreds	Tens	Ones
5	7	5
4	17	5
3	27	5
2	37	5
1	47	5
0	57	5
0	0	575

Q6. **Compose** the following numbers:

a) 400, 300, 99 799

Remember:

Compose → put together

b) 300, 220, 50 570

Decompose → break apart

c) 500, 8 508

Q7. **Decompose** the following numbers:

a) 234: 2 hundreds, 3 tens, 4 ones

b) 501: 5 hundreds, 0 tens, 1 ones

Q8. **Regroup** the following numbers:

a) ~~567~~ = 5, 4 tens and 27 ones

~~40~~ ~~20~~  
b) ~~333~~ = 33 <sup>330</sup> tens and 3 ones

c) ~~921~~ = 9 hundreds and 21 ones

Q9. Fill in the blanks.

a) 1 hundred = 10 <sup>100</sup> ~~tens~~

b) 1 ten = 10 ones

c) If 2 ones = 2, then 4 ones = 4

d) If 11 ones = 11, then 66 ones = 66

e) 234 ones = 234

f) If 5 tens = 50, then 3 tens = 30

g) If 20 tens = 200, then 90 tens = 900

h) 26 tens = 260

i) 88 tens = 880

j)  $600 + 20 + 5 =$  625

k)  $400 + 30 + 14 =$  444

l)  $555 = 500 +$  50 + 5

m)  $190 =$  100 + 90

Q10. Regroup the numbers and fill in the blanks.

a)  $345 =$  3 hundreds, 4 tens and 5 ones

b)  $891 =$  8 hundreds and 91 ones

c)  $703 =$  6 hundreds and 10 tens and 3 ones

d)  $467 =$  4 hundreds and 3 tens and 37 ones

e)  $990 =$  9 hundreds and 90 ones

f)  $688 =$  50 tens and 188 ones

g)  $271 =$  27 tens and 1 one

h)  $369 =$  3 hundreds and 5 tens and 19 ones

i)  $144 =$  14 tens and 4 ones

j)  $832 =$  8 hundreds and 1 tens and 22 ones

k)  $529 =$  1 hundred and 40 tens and 29 ones

l)  $681 =$  3 hundreds and 33 tens and 51 ones

Q11. Fill in the blanks with the missing numbers.

- a)  $594 = 500 + \underline{90} + 4$
- b)  $107 = \underline{100} + \underline{0} + 7$
- c)  $285 = \underline{200} + 80 + \underline{5}$
- d)  $312 = 300 + \underline{10} + \underline{2}$
- e)  $630 = \underline{600} + \underline{30} + 0$

Q12. What is 5 hundreds and 5 ones in numerals/figures? 505  
~~500~~

Q13. What is 5 hundreds and 4 tens in numerals/figures? 540  
~~500~~      ~~40~~

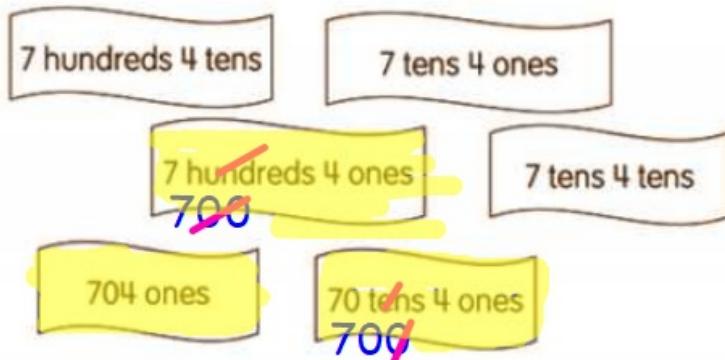
Q14. What is 4 hundreds and 25 tens in numerals/figures? 650  
~~400~~      ~~250~~

Q15. What is 36 tens and 7 ones in numerals/figures? 367  
~~360~~

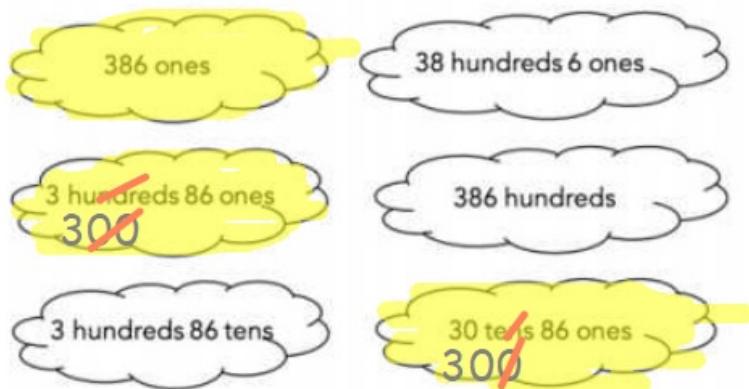
Q16. How can we express each number?

Shade the correct ways.

a. 704



b. 386



c) Circle the correct answers.

I can regroup **321** as:

- 3 hundreds + 3 tens + 1 one
- 3 hundreds + 12 tens + 1 one
- 3 hundreds + 1 tens + 11 ones **300 10**
- 2 hundreds + 10 tens + 21 ones **200 100**

d) Circle the correct answers.

I can regroup **514** as:

- 5 hundreds + 14 ones **500**
- 5 hundreds + 14 tens + 0 ones
- 4 hundreds + 20 tens + 4 ones
- 51 tens + 4 ones **510**