

Date: **answer key** _____

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.

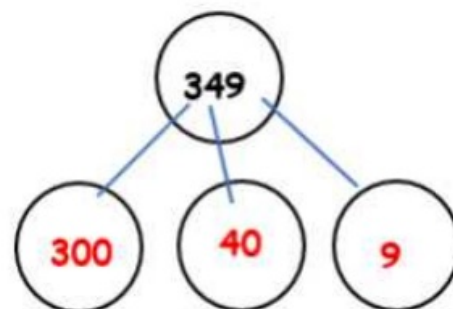
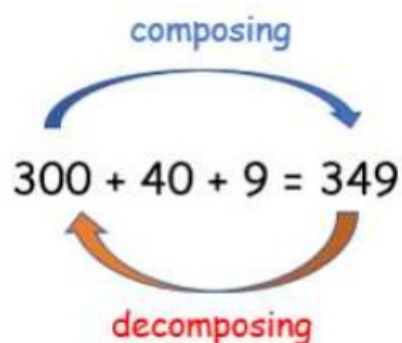
349 is **composed** of 3 hundreds, 4 tens and 9 ones.

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

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

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

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

Q3. Fill in the blanks.

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

$632 = \underline{6}$ hundreds + $\underline{3}$ tens + $\underline{2}$ 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 = ⁷⁹⁰79 tens + 0 ones

e) 790 = 7 hundreds + 90 ones

f) 305 = ²⁰⁰2 hundreds + ⁵⁰5 tens + ⁵⁵55 ones

g) 409 = ³⁰⁰3 hundreds + ¹⁰⁰10 tens + 9 ones

h) 409 = ²⁰⁰2 hundreds + ²⁰⁰20 tens + 9 ones

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

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

Q6. **Compose** the following numbers:

a) 400, 300, 99 799

b) 300, 220, 50 570

c) 500, 8 508

Remember:

Compose → put together

Decompose → break apart

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 hundreds, ~~4~~⁴⁰ tens and 27 ones

b) 333 = 33³³⁰ tens and 3 ones

c) 921 = ⁹⁰⁰9 hundreds and 21 ones

Q9. Fill in the blanks.

a) 1 hundred = $\overset{100}{\underline{10}}$ tens

b) 1 ten = $\underline{10}$ ones

c) If 2 ones = 2, then 4 ones = $\underline{4}$

d) If 11 ones = 11, then 66 ones = $\underline{66}$

e) 234 ones = $\underline{234}$

f) If 5 tens = 50, then 3 tens = $\underline{30}$

g) If 20 tens = 200, then 90 tens = $\underline{900}$

h) 26 tens = $\underline{260}$

i) 88 tens = $\underline{880}$

j) $600 + 20 + 5 = \underline{625}$

k) $400 + \overset{44}{\underset{44}{30}} + 14 = \underline{444}$

l) $555 = 500 + \underline{50} + 5$

m) $190 = \underline{100} + 90$

Q10. **Regroup** the numbers and fill in the blanks.

a) $345 = \underline{3}$ hundreds, 4 tens and $\underline{5}$ ones

b) $891 = 8$ hundreds and $\underline{91}$ ones

c) $703 = \cancel{600}$ hundreds and $\cancel{100}$ tens and 3 ones

d) $467 = \underline{4}$ hundreds and $\cancel{30}$ tens and $\underline{37}$ ones

e) $990 = \underline{9}$ hundreds and $\underline{90}$ ones

f) $688 = \cancel{500}$ tens and 188 ones

g) $271 = \cancel{270}$ tens and 1 one

h) $369 = 3$ hundreds and $\cancel{50}$ tens and 19 ones

i) $144 = \cancel{140}$ tens and 4 ones

j) $832 = \underline{8}$ hundreds and $\cancel{10}$ tens and $\cancel{22}$ ones

k) $529 = 1$ hundred and $\cancel{400}$ tens and $\underline{29}$ ones

l) $681 = 3$ hundreds and $\cancel{330}$ tens and 51 ones

$\cancel{300}$ $\cancel{300}$ $\cancel{30}$ $\cancel{50}$

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

7 hundreds 4 tens 7 tens 4 ones

~~7 hundreds 4 ones~~ 7 tens 4 tens

704 ones ~~70 tens 4 ones~~

b. 386

386 ones 38 hundreds 6 ones

~~3 hundreds 86 ones~~ 386 hundreds

3 hundreds 86 tens ~~30 tens 86 ones~~

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
- 2 hundreds + 10 tens + 21 ones

d) Circle the correct answers.

I can regroup **514** as:

- ~~5 hundreds~~ + 14 ones
- 5 hundreds + 14 tens + 0 ones
- 4 hundreds + 20 tens + 4 ones
- ~~51 tens~~ + 4 ones