Thinking Cap

Caz has 224 muffins now. How can you regroup 224 using hundreds, tens and ones?

224 = 2 hundreds + 2 tens + 4 ones
224 = 22 tens + 4 ones
224 = 224 ones
224 = 1 hundred + 12 tens + 4 ones
224 = 20 tens + 24 ones

Look Back

Izzy has 24 muffins.

How can you regroup the 24 muffins?

24 = *2 tens + 4 ones*;
24 = *1 ten + 14 ones*;
24 = *21 ones + 3 ones*;
24 = *24 ones + 0 ones*;
24 = *12 ones + 12 ones.*

Let's Learn

a Eddy has 246 paper clips.

He uses number cards to **compose** the number 246.

parts 2 0 0
4 0
6
whole

parts

whole

2 4 6

whole

parts $200 + 40 + 6 = 246$

2 hundreds + 4 tens + 6 ones = 246

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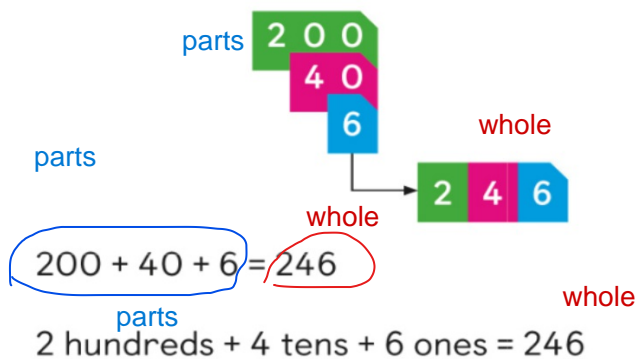
b Caz has 437 beans.

She uses number cards to **decompose** the number 437 in hundreds, tens and ones.

whole parts

$437 = 4$ **hundreds** + ____**3**____ tens + 7 ones

whole

4 3 7

7 parts

3 0

4 0 0
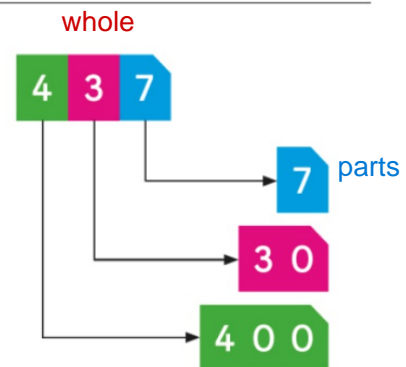
Hundreds ===> 2 zeros ====> 00
Tens   ====> 1 zero ====> 0

c Ron has 372 craft sticks.

He regroups the number 372 using a place-value chart.

He also **regroups** 372 in other ways.

$372 = 301 + $ __71__

$372 = $ __370__ $+ 2$

100s	10s	1s
3	7	2
	37	2
		372
2	17	2

3 hundred and 7 tens and 2 ones
= 300 + 70 + 2 = 372

37 tens and 2 ones
= 370 + 2 = 372

372 ones = 372

2 hundred and 17 tens and 2 ones
= 200 + 170 + 2
= 370 + 2
= 372

Let's Practise

I   Find the numbers.

compose

a   500 + 20 = __520__

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  5 0 0
    2 0
      0
```

b   600 + 10 + 8 = __618__

```
  6 0 0
    1 0
      8
```

2 Write 445 in hundreds, tens and ones. Fill in the blanks.

decompose

445 = 400 + ___40___ + 5

= ___4___ hundreds + ___4___ tens + ___5___ ones

3 Regroup the numbers. Fill in the blanks.

a 289 = 2 hundreds + 6 tens + ___29___ ones

b 504 = ___250___ + 200 + 50 + 4

What other ways can you regroup the numbers?

4 Calvin has 639 cards. He gives all his cards to 3 cousins.

All his cousins have a different number of cards.

Show 3 different ways Calvin can give the cards to his cousins.

639 = 600 + 30 + 9

639 = 200 + 400 + 39

639 = 500 + 136 + 3