

## Compose, Decompose and Regroup Numbers (2.B.1)

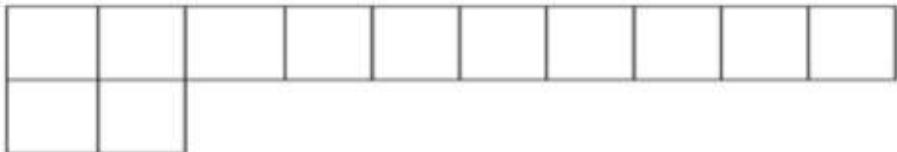
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Compose, decompose and regroup 2-digit numbers, using tens and ones.

### I. Compose.

a)



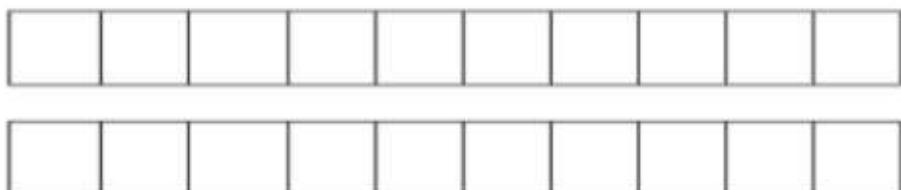
1 ten and 2 ones 12.

b)



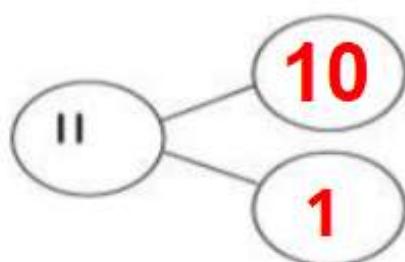
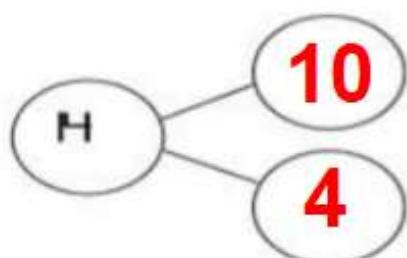
1 ten 8 ones 18.

c)



2 tens 20.

2. Fill in the blanks to show how to decompose each number.



3. Fill in the missing numbers.

a)

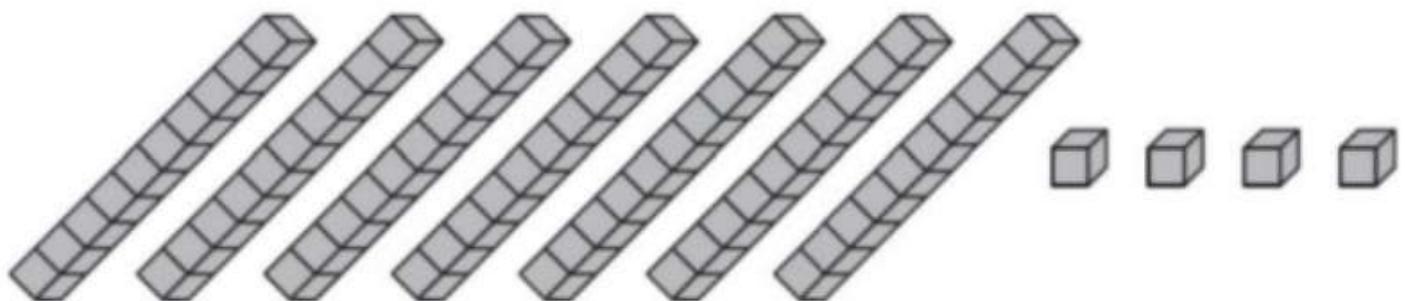


How many beads are there? 45

$$40 + \underline{5} = \underline{45}$$

$$45 = \underline{40} + \underline{5}$$

b)



$$74 = \underline{\quad 70 \quad} + \underline{\quad 4 \quad}$$

$$74 = 40 + \underline{\quad 30 \quad} + \underline{\quad 4 \quad}$$

$$74 = 70 + \underline{\quad 2 \quad} + \underline{\quad 2 \quad}$$

(in regrouping answers may vary)

4. Study the following example:

We can write  $q_2$  in different ways:

a.  $q_2 = q_0 + 2$

b.  $q_2 = q \text{ } 10s + 2 \text{ } 1s$

Fill in the blanks.

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

$$3q = \underline{3} \text{ } 10s + \underline{9} \text{ } 1s$$

$$3 = \underline{0} + \underline{3}$$

$$28 = \underline{2} \text{ } 10s + \underline{8} \text{ } 1s$$

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

$$18 = \underline{1} \text{ } 10s + \underline{8} \text{ } 1s$$

$$36 = \underline{30} + \underline{6}$$

$$81 = \underline{8} \text{ } 10s + \underline{1} \text{ } 1s$$

$$75 = \underline{70} + \underline{5}$$

$$6 = \underline{0} \text{ } 10s + \underline{6} \text{ } 1s$$

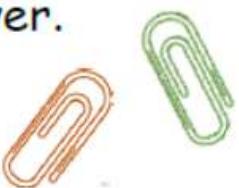
$$57 = \underline{50} + \underline{7}$$

$$60 = \underline{6} \text{ } 10s + \underline{0} \text{ } 1s$$

5. Penny has 52 clips.

She packs the clips into bags of 10 and has 2 left over.

How many bags of clips does she pack?



Show how you regroup 52 to find the answer.

$$52 = 10 + 10 + 10 + 10 + 10 + 2$$

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(in regrouping answers may vary)

She packs 5 bags of clips.

6. Decompose and regroup the numbers.

Decompose  $28 = 20 + 8$

Regroup  $28 = 10 + 10 + 4 + 4$

or any numbers that can make 28



Decompose  $34 = 30 + 4$

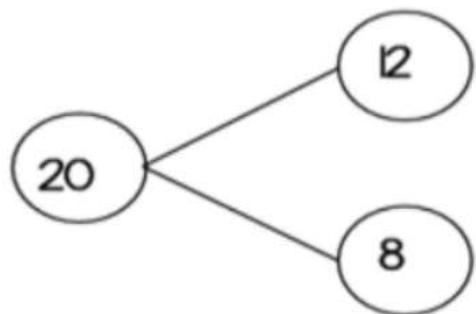
Regroup  $34 = 10 + 10 + 10 + 4$

or any numbers that can make 34

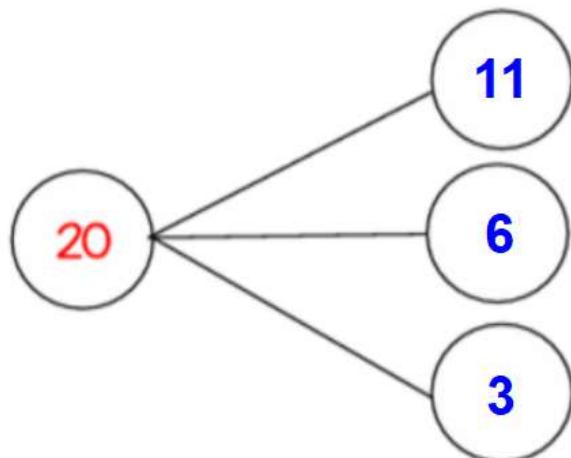
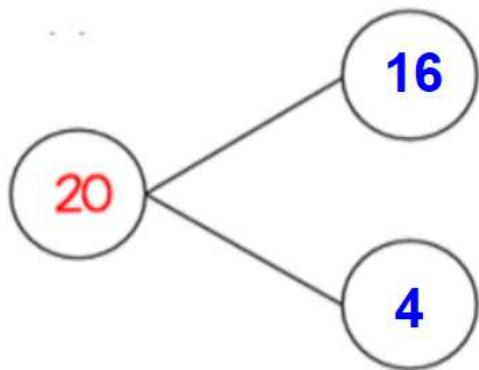


7. Aiden shows one way to regroup 20.

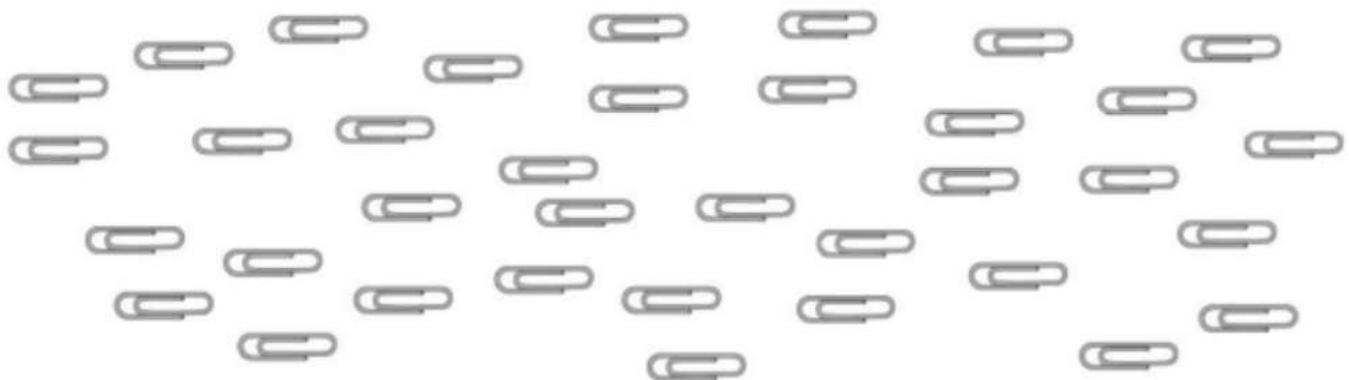
booklet p.44



Can you show 2 other ways?



8.



a) Count. 36

b) Decompose the number.  $36 = 30 + 6$

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Q. Regroup the numbers.

Circle 5 numbers to show the number on the left.

38	20	10	10	0	1	2	3	4	5	6	7	8	9
52	20	10	10	0	1	2	3	4	5	6	7	8	9

Q. Regroup the numbers.

Circle 5 numbers to show the number on the left.

38	20	10	10	0	1	2	3	4	5	6	7	8	9
52	20	10	10	0	1	2	3	4	5	6	7	8	9

(in regrouping answers may vary)