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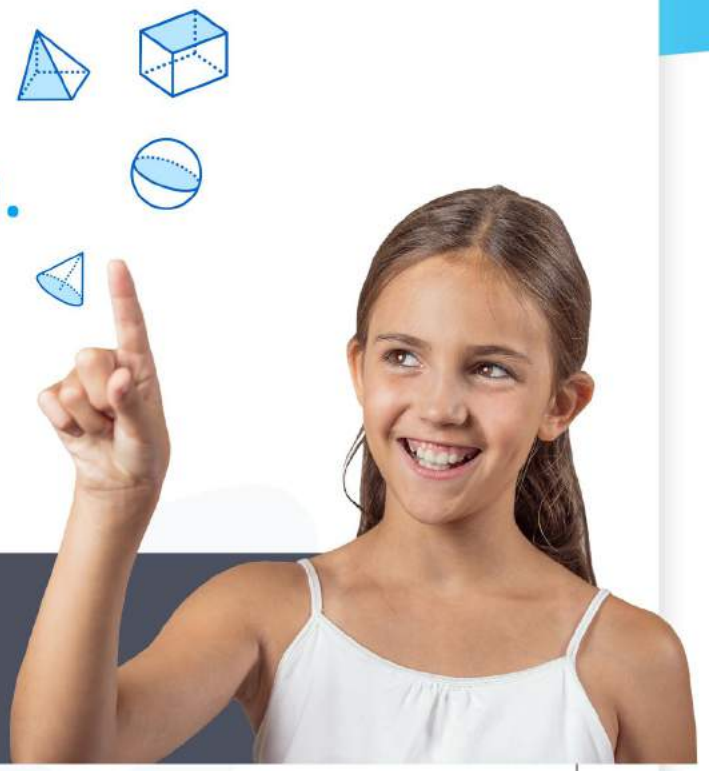

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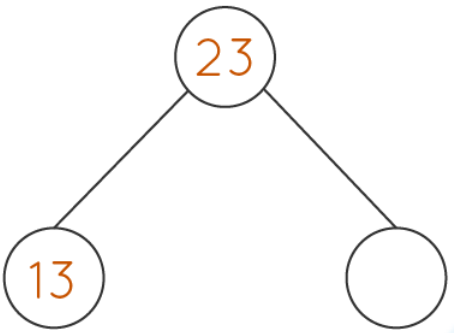
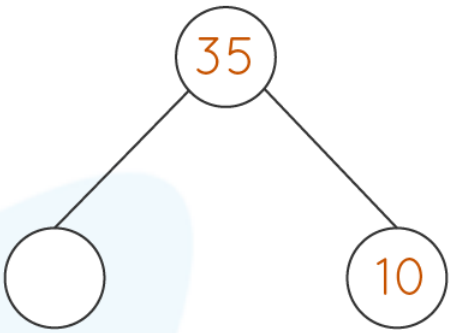
Decomposing Numbers 2nd Grade Worksheets

1) Decompose the following numbers in the circles and find the missing number.

a) 

b) 

2) Decompose the following numbers and write out the missing numbers.

a)

38	
18	

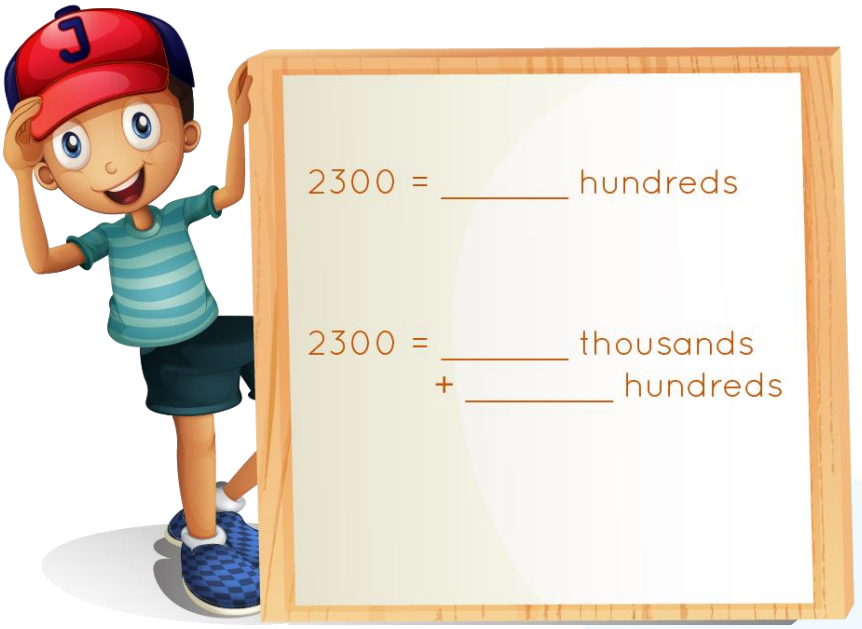
92	
50	

3) Decompose the numbers in to hundreds, tens and ones.

a) 572 = _____ Hundreds + 7 Tens + _____ Ones

b) 6454 = _____Thousands + 4 Hundreds + _____ Tens + _____ Ones

4) Help Jose solve the questions on the board.



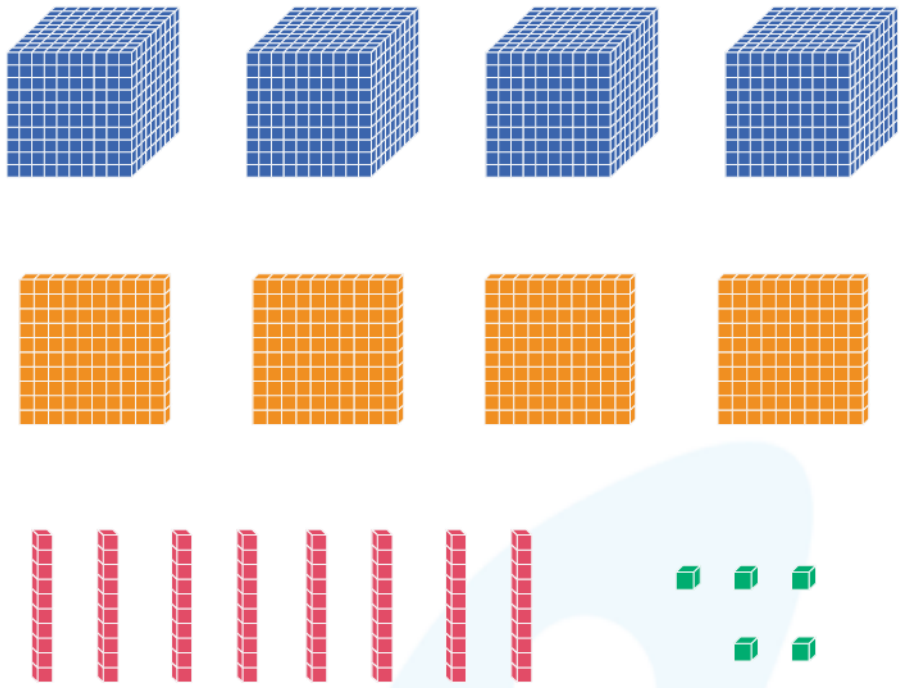
5) Find the missing number to be added to get the result.
   a) 610 = _____ + 10
   b) 750 = 50 + _____

6) Write addition statements to decompose the following numbers.
   a) 20 = ____ + ____
   b) 700 = ____ + ____
   c) 4000 = ____ + ____

7) Decompose 73 + 47 and write in the box.

73 + 47

8) Help Emily find out the correct option to decompose the number shown using the base-10 blocks.



a) 4 thousands, 2 hundreds, 8 tens and 5 ones
b) 4 thousands, 2 hundreds, 8 tens and 5 ones
c) 4 thousands, 4 hundreds, 8 tens and 5 ones
d) 4 thousands, 4 hundreds 80 tens and 5 ones

9) The number 9073 when decomposed gives,

a) 1 hundred, 9 thousands, 7 tens and 3 ones
b) 9 thousands, 1 hundred, 7 ten and 3 ones
c) 9 thousands, 7 tens and 3 ones
d) 9 thousands, 7 hundreds, 7 tens and 3 ones

10) The subtraction statement for 286 – 167 after decomposing is,

a) (200 + 80 + 6) – (100 + 60 + 7)
b) (200 + 80 + 6) + (100 + 60 + 7)
c) (200 + 80 + 60) – (100 + 60 +7)
d) (200 + 80 + 6) + (100 + 60 + 7)

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ANSWERS

1)	a)10 b)25
2)	a) 20 b) 42
3)	a) 5 hundreds, 2 ones b) 6 thousands, 5 tens, 4 ones
4)	2300 = 23 hundreds 2300 = 2 thousands + 3 hundreds
5)	a) 600 b) 700
6)	a) 10 + 10 b) 350 + 350 c) 2000 s+ 2000
7)	(70 + 3) + (40 + 7)
8)	Option c)
9)	Option c)
10)	Option a)

FUN FACT

1. A three-digit number can be decomposed as a sum of hundreds and tens and ones.

2. A two-digit number can also be decomposed as a sum of tens and ones.

3. While decomposing numbers, a bigger number can be expressed as a sum of smaller numbers.