

# Wooden Counting Blocks Teacher Guide

This user guide takes you through a variety of activities that can be used for your Wooden Counting Blocks set



# Activity 1: Count in Numbers up to 5

Use the bases 1-5 to count up to 5.

Children can add the counters 1 by 1 to the bases as they count.

Laying the bases side by side also demonstrates 1 more and 1 less.

**Bases before counting:**

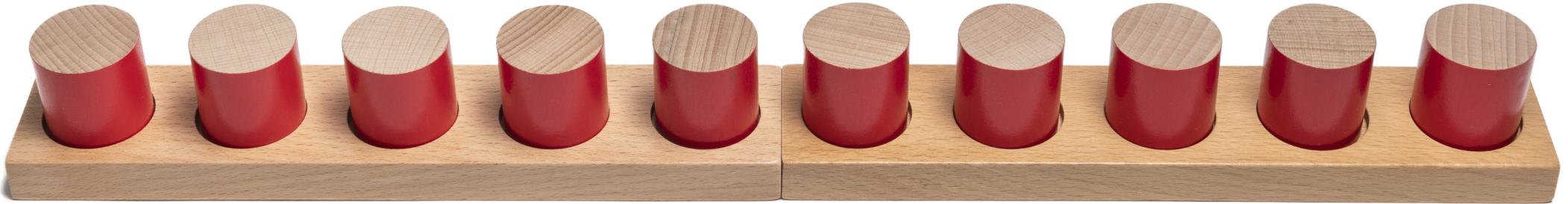


**Bases with counters after counting:**

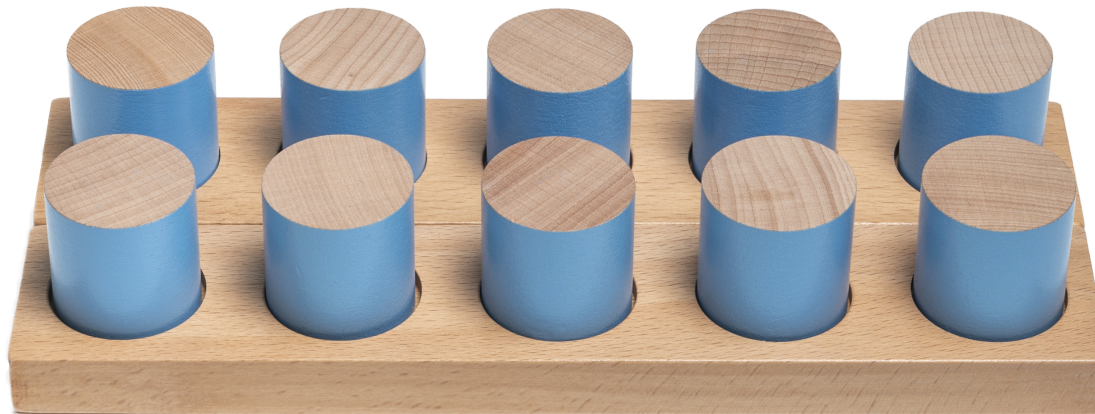


## Activity 2: Count up to number 10

Use the bases to count up to number 10 either as a number line with 2 x number 5 base pieces:



...or as a 10 frame pattern:

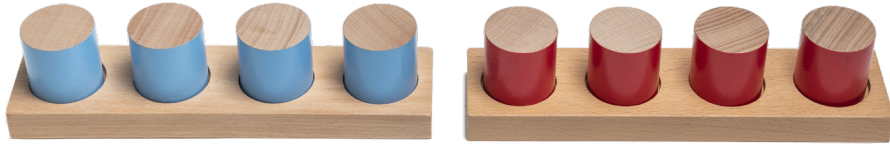


# Activity 3: Additon to 20

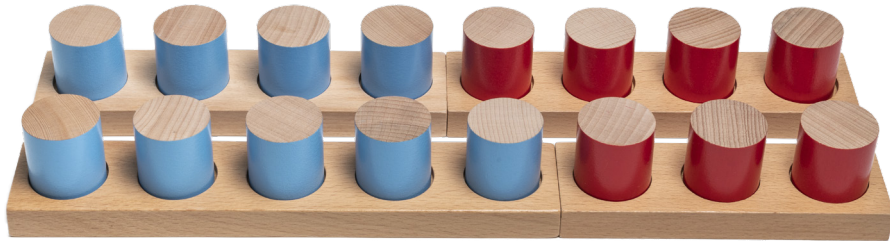
Use the bases for simple addition.

## Example 1:

$$4 + 4 = ?$$

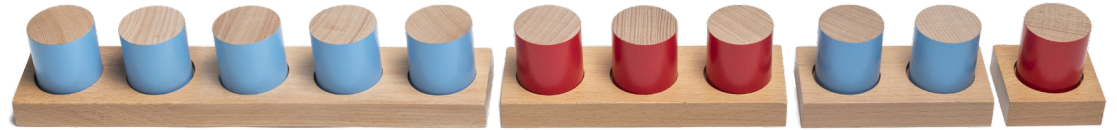


$$4 + 4 = 8$$

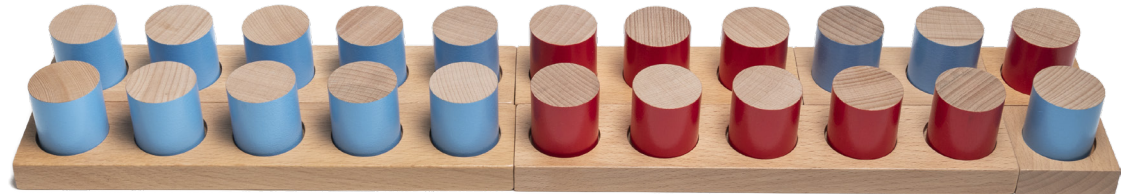


## Example 2:

$$5 + 3 + 2 + 1 = ?$$



$$5 + 3 + 2 + 1 = 11$$

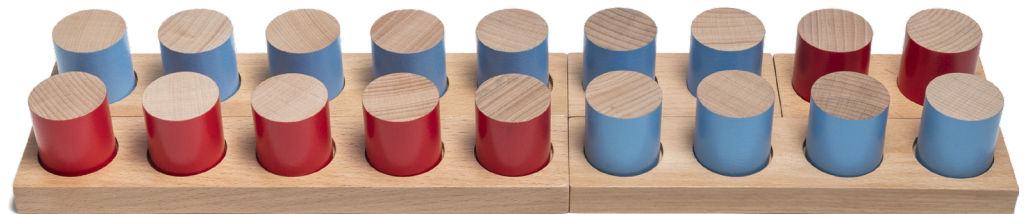


## Example 3:

$$7 + ? = 9$$



$$7 + 2 = 9$$

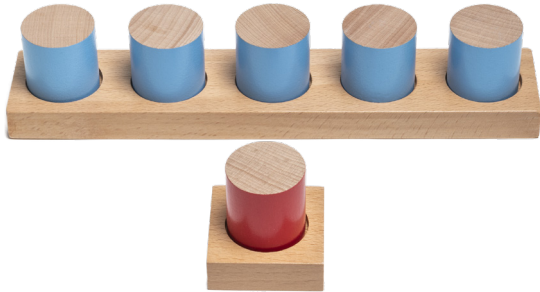


# Activity 4: Subtraction 0-20

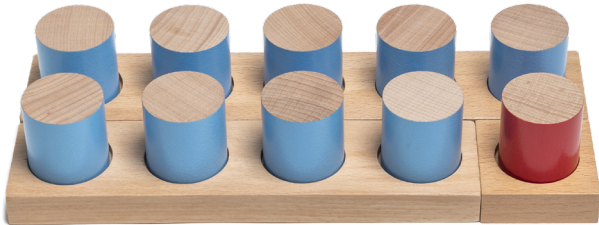
Use the bases for simple subtraction.

## Example 1:

$$5 - 1 = ?$$

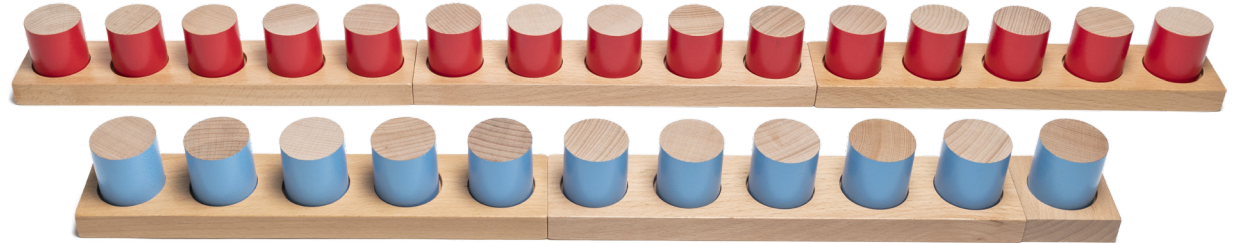


$$5 - 1 = 4$$

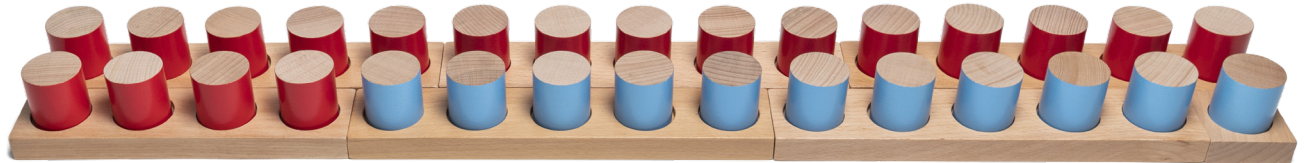


## Example 2:

$$15 - 11 = ?$$



$$15 - 11 = 4$$



## Example 3:

$$8 - ? = 5$$



$$8 - 3 = 5$$

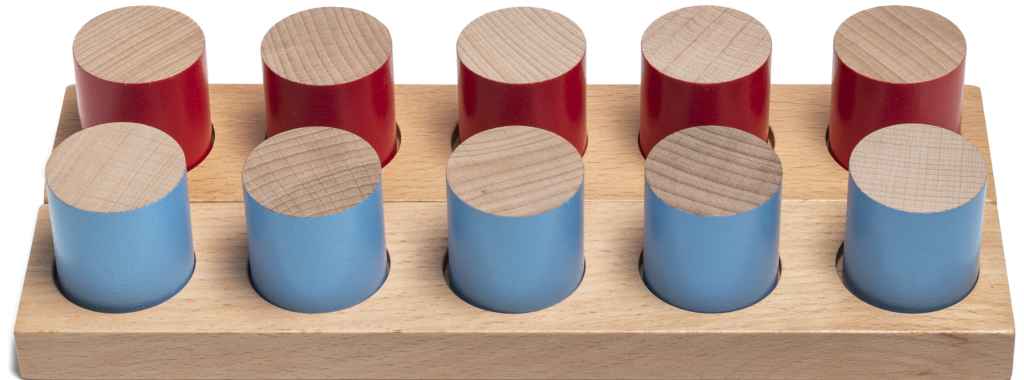


## Activity 5: Use as a ten frame

Place 2 of the number 5 base pieces horizontally to create a ten frame and use for all your 10 frame activities:

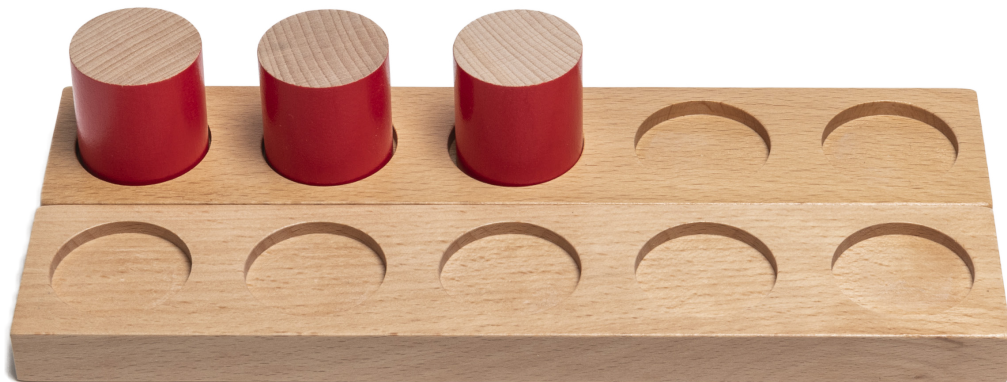


Add 2 banks of counters to show that each row adds up to 5 and that 2 rows add up to 10:

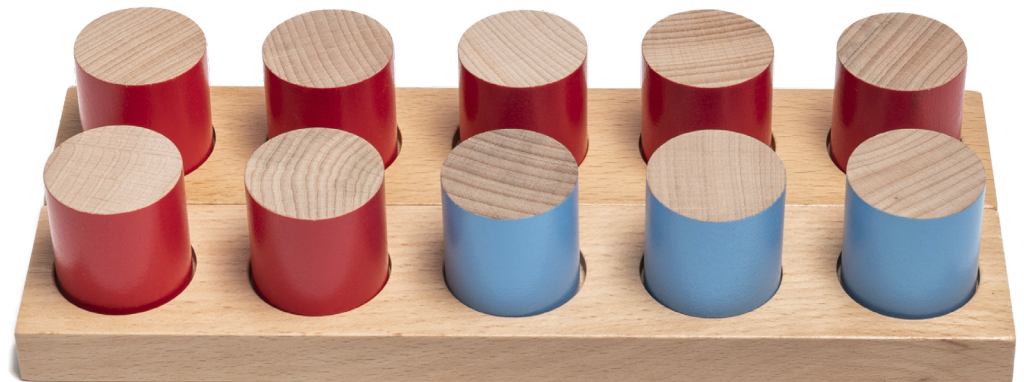


.....

Show numbers up to 10:



Demonstrate how 2 numbers add up to 10:

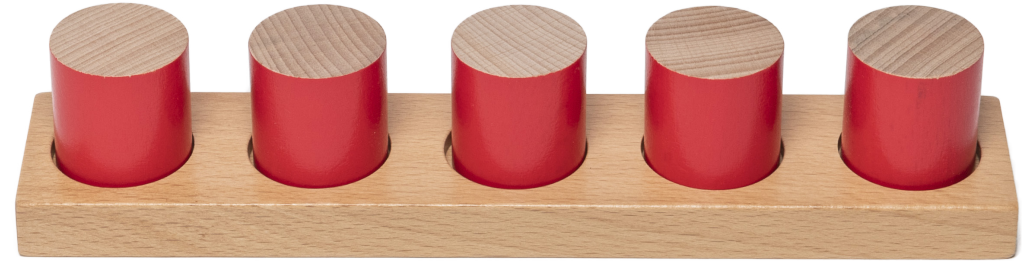


## Activity 6: Number Bonds

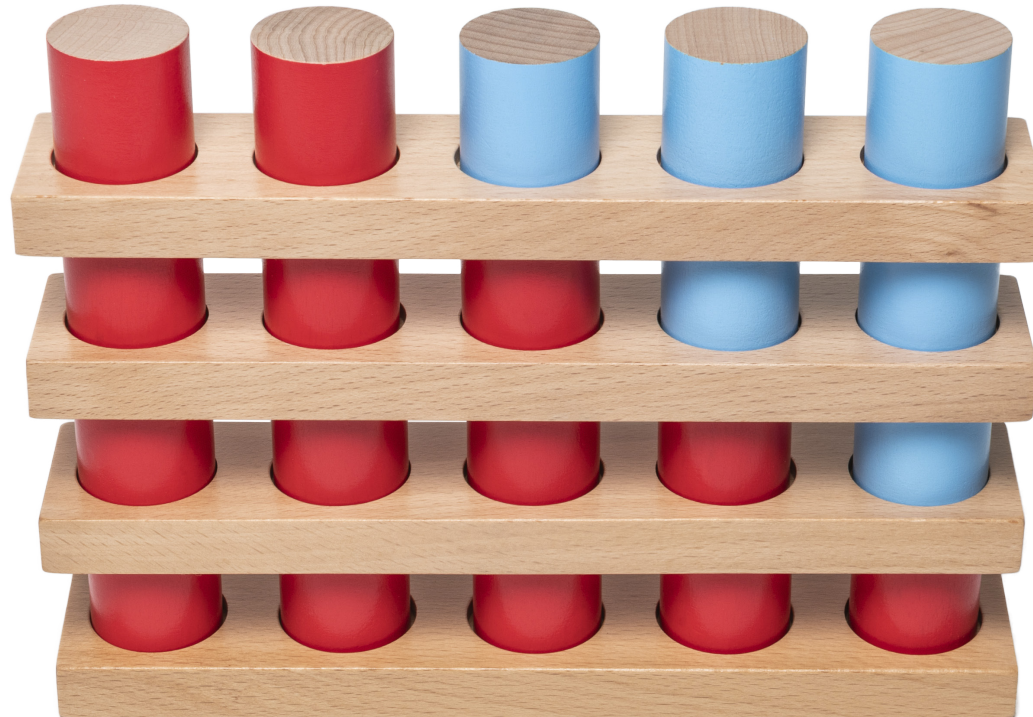
Start by choosing a number – in this example, number 5 base is chosen:



Fill the base with counters of the same colour:



Build upwards to show the different number bonds to 5:

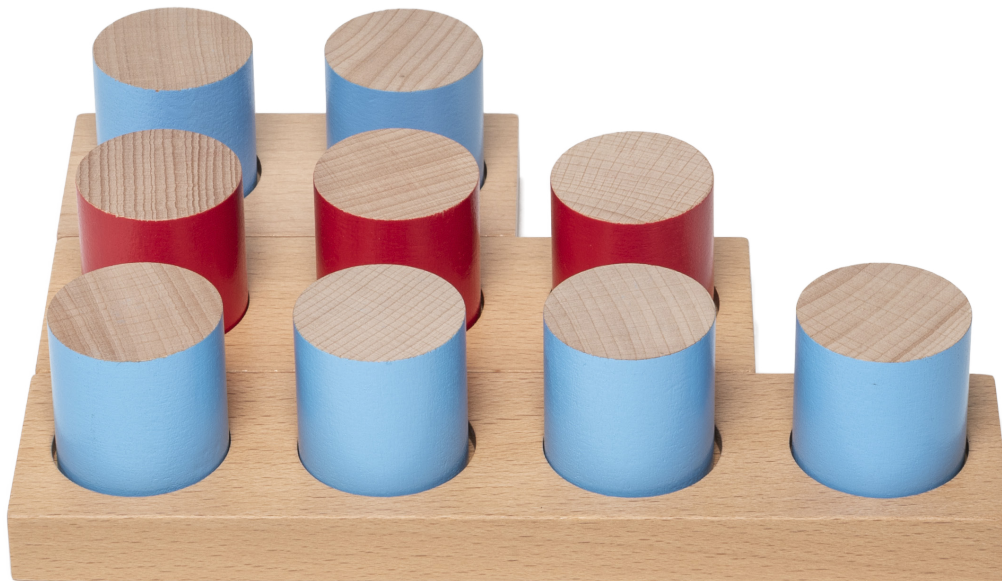


# Activity 7: One More and One Less

There are 2 ways you can show one more and one less with our counting blocks:

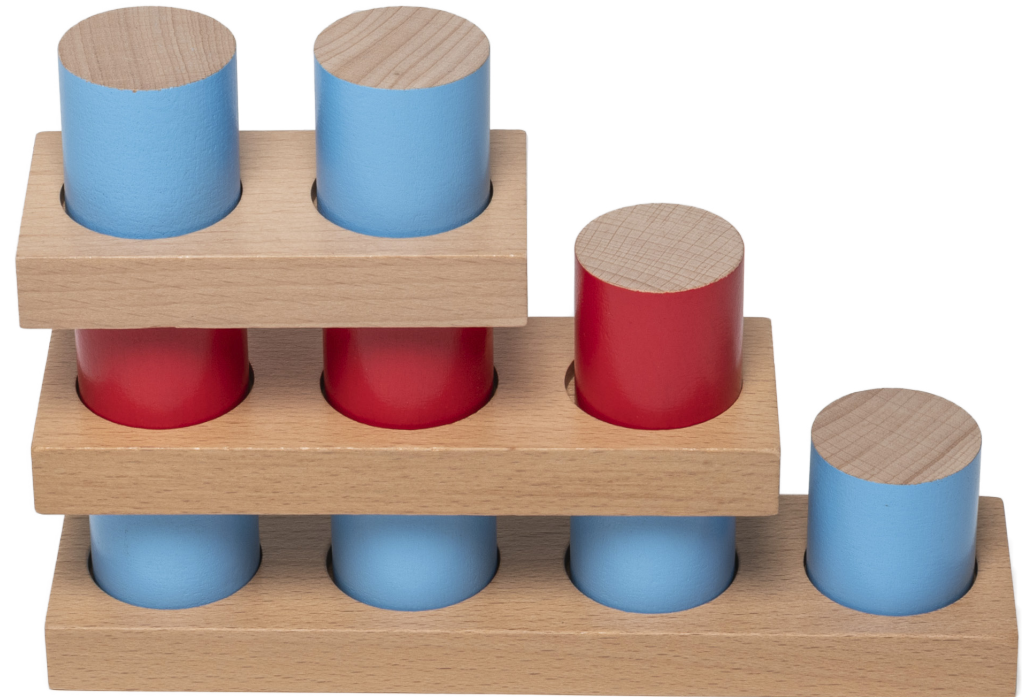
## Method 1

Show the bases and counters in horizontal rows:



## Method 2

Stack the bases and counters vertically:



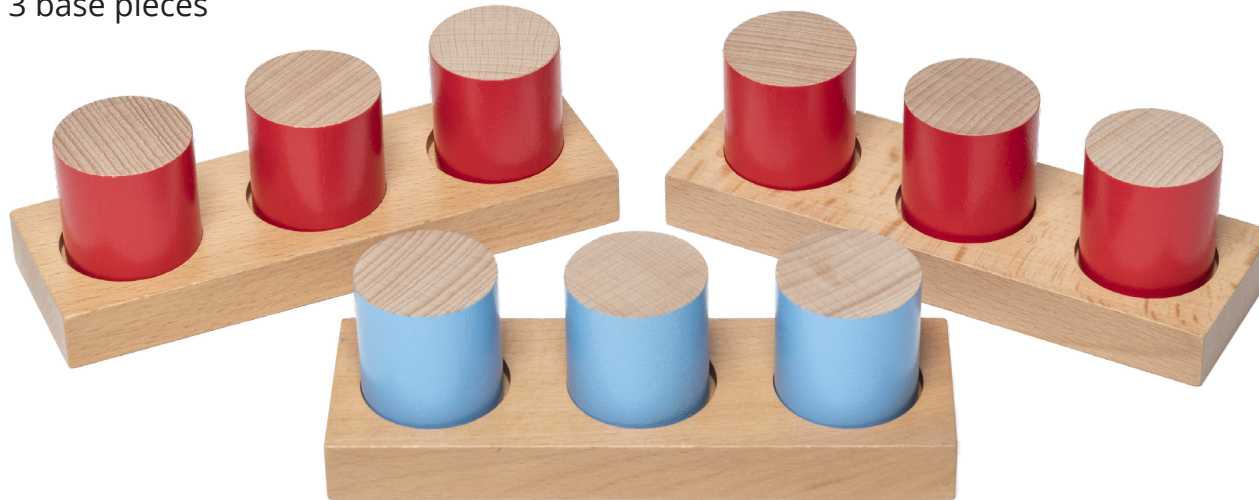
# Activity 8: Multiplication with small numbers

Use the bases to practise your first multiplication questions. This is designed for smaller numbers.

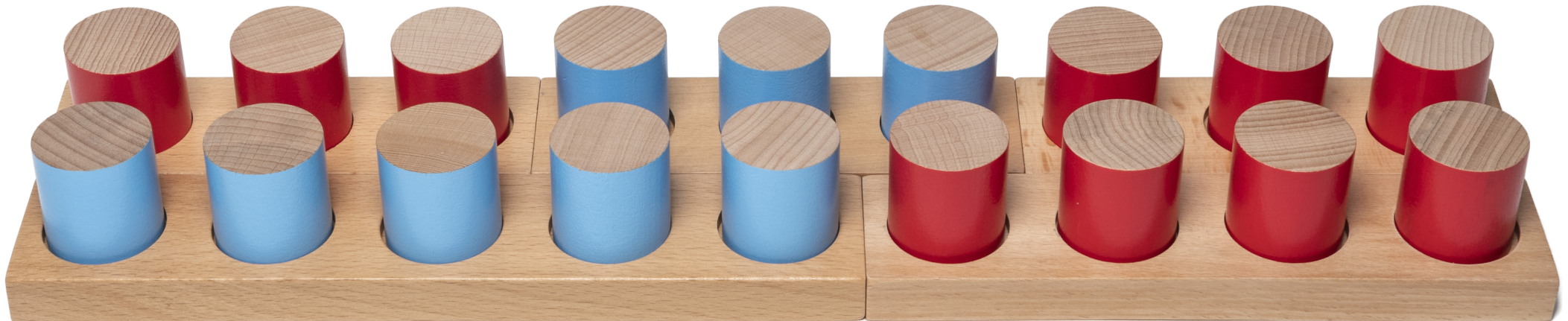
## Example:

$$3 \times 3 = ?$$

Start by getting 3 x number 3 base pieces  
and adding counters



Then line them up and use a number 5 base piece plus additional bases to more easily calculate the number it goes up to:



Answer:  $3 \times 3 = 9$  (1 x number 5 base piece and 1 x number 4 base piece)



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