

Age Group 3-4 **5-6**

Math Puzzle - Substraction

523351

Content

1 wooden frame, 24 puzzle pieces with a subtraction on the back side

Main Objective

Subtraction 2: Subtracting numbers up to 20

Additional Objectives

Mathematical skills: Recognizing and naming mathematical symbols (“+” and “=”) by solving the equations on the puzzle piece.

Motor skills: Learning to make smooth movements with hands and fingers by moving puzzle pieces.

Social skills: Learning to cooperate by working together with other children.



Additional Activities

- Simplify the game. Have the children use a tool (bead chain or counting caps) to aid while solving the math.
- Have the children think of subtractions up to 20 and write or stamp these down.

Circle time

- The children sit in a circle with a red or green card in their hands. Green stands for the answer 1 to 10, red stands for the answer 11 to 20. Read out the subtractions from the back of the puzzle pieces. The children have to quickly guess if the answer is larger or smaller than 10 and hold up the appropriately colored card. The first child to hold up the card is allowed to calculate the exact answer and place the puzzle piece in the right place.
- Place a number of blocks inside the circle. Let the children count how many blocks there are. The children close their eyes. Remove a number of blocks. Ask the children to open their eyes and see how many blocks were removed. Which subtraction do the blocks represent? Write the subtraction on a big piece of paper. Can the children solve the subtraction?



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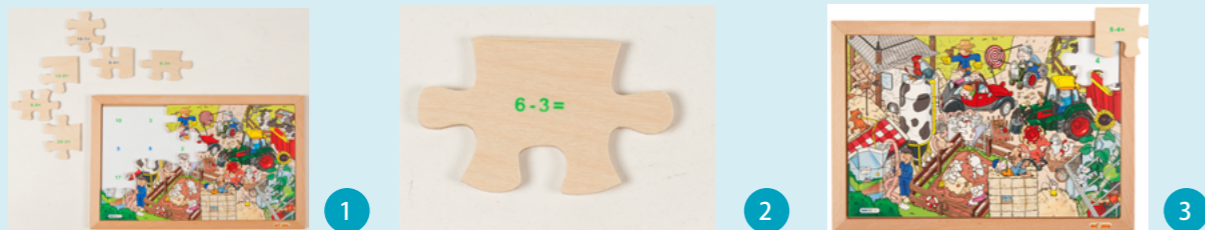
Practice subtraction up to 20 in a playful way. Combine subtractions and answers to solve the puzzle.

Basic Instruction

Step 1: Place the puzzle frame in front of you. Remove the pieces and distribute them on the table with the image-side facing down.

Step 2: Read the subtractions on the back of the pieces. Solve the equation and place the piece on the correct answer of the same color as the subtraction.

Step 3: If you have solved the mathematical equations correctly, the pieces create an image.



Expanding the Game

Make the game more difficult. Play in pairs. One player reads the mathematical equation. The other child tries to solve it and places the puzzle in the right place. Take turns until the puzzle is finished.

Main Observation

Can the child subtract numbers up to 20 by solving the puzzle correctly?

Additional Observations

- Can the child recognize and name the mathematical symbols?
- Can the child move the puzzle pieces in a smooth and fluid way?
- Can the child play together with others in a nice and friendly way?