



THE PARENT SESSIONS:
MATHEMATICAL METHODS
YEAR: RECEPTION

Welcome to Parent Training!

- **Mini training sessions.**

- ▶ - Practice questions for Mathematics homework.
- ▶ In this session, we will:
 - ▶ - Explore a key method taught in Mathematics this term: Using the Number Line and manipulatives.
 - ▶ - Provide examples and practice questions.
 - ▶ - Help you support your child's learning at home.

Why Use the Number Line?

- ▶ **The number line helps children to:**
- ▶ - Develop a strong understanding of number relationships.
- ▶ - Visualise addition and subtraction as movements along the line.
- ▶ - Build confidence in solving problems step-by-step.

What is ARE?

- ▶ ARE stands for: **Appropriate, Reliable, Efficient:**
- ▶ **Appropriate:** Is the method suitable for the problem?
- ▶ **Reliable:** Can it consistently give the correct answer?
- ▶ **-Efficient:** Does it save time and effort for the learner?

- ▶ The number line meets all these criteria for Reception learners.

Using the Number Line: Step-by-Step

$$5 + 3 = 8$$

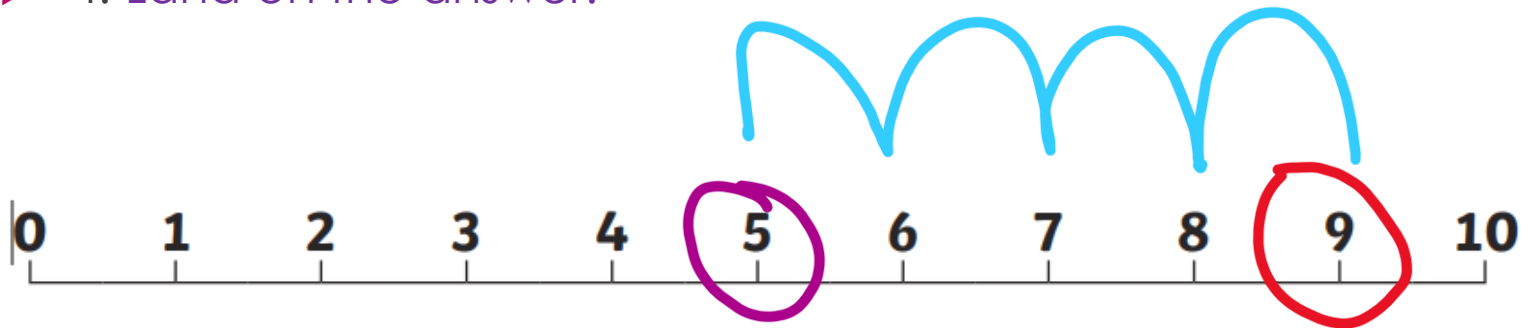
- ▶ Here's how we teach children to use the number line:
- ▶ 1. Start at the first number in the problem.
- ▶ 2. Move – right to add. Count 3 jumps on the number line.
- ▶ 3. Count each step carefully.
- ▶ 4. Land on the answer.



Using the Number Line: Step-by-Step

$$9 - 4 = 5$$

- ▶ Here's another example:
- ▶ 1. Start at the first number in the problem.
- ▶ 2. Move – left to take away. Count 4 jumps on the number line.
- ▶ 3. Count each step carefully.
- ▶ 4. Land on the answer.



Key Language to Use

- ▶ When working with your child, use these phrases:
 - ▶ - "Let's start at number ____."
 - ▶ - "How many steps do we need to move?"
 - ▶ - "Are we adding (right) or subtracting (left)?"
 - ▶ - "What number do we land on? That's our answer!"
- ▶ Positive reinforcement helps build confidence.

Sample Questions with Solutions

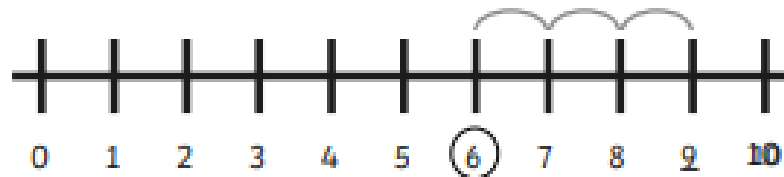
Example:

$$\underline{4} + 1 = \textcircled{5}$$



Example

$$\underline{9} - 3 = \textcircled{6}$$



Questions to Ask Your Child

- ▶ To guide your child's thinking, ask:
 - ▶ - "What number do we start with?"
 - ▶ - "How many steps do we need to move?"
 - ▶ - "Which direction should we go? Why?"
 - ▶ - "What number did we land on?"

- ▶ Encourage them to explain their reasoning.

Practice Questions

► Try these at home with your child:

Starter:

$$3 + 2$$

$$6 - 1$$

$$4 + 3$$

Expected:

$$7 + 5$$

$$10 - 4$$

$$8 + 6$$

Challenge:

1. $15 + 7$

2. $20 - 8$

3. $12 + 9$

Closing & Resources

▶ Thank you for attending this session!

▶ Resources for further support:

▶ - Video tutorials on using the number line.

[Simple addition using number line | number line for kids | Kindergarten and First Grade Math Lesson](#)