



Observatory MiniMathematikum

This observatory is designed for the adults who observe the children in the MiniMathematikum. It is a help for a systematic observation and gives the possibility to document the observations. This observation sheet is suitable for the observation of all children - it is divided into different parts. We assume that each child is in the MiniMathematikum for 90 minutes and is research-based learning at 15 play stations.

How many children are being watched?

(If the exact number is not known please estimate.)

Total	Female	Male

The main focus of this observation is on children ...

(If the exact number is not known please estimate.)

<u>Target Group</u>	From Roma Families	From Migrant Families	Female Children	Disabled Children
<u>Please tick:</u>				
How many males belong to this group?			XXXXXXXXXXXXXXXXXXXXXX	
How many females belong to this group?				



Motivation of Children of the Target Group

	(Multiple answers are possible)	especially true	true	undecided	does not apply	Not correct at all
1. The children are motivated to explore the game stations independently.						
2. The children need adult guidance.						
3. The children can maintain their motivation for over 90 minutes.						
4. The kids get bored quickly.						
5. The children are happy about their activities and are thrilled.						
6 a. Do other children, who do not belong to the target group, behave differently?*						
6 b. Do male and female children behave differently?*						

* Please describe, if possible: _____

Please use the back for more comments.



Children's Activities

	(Multiple answers are possible)	especially true	true	undecided	does not apply	Not correct at all
6. The children go to the game stations independently.						
7. The children arrive at the game stations to a result.						
8. The children can not orient themselves well in the exhibition.						
9. The children can control their activities themselves.						
10. The children are not familiar with research learning.						
11 a. Do other children, who do not belong to the target group, behave differently?*						
11 b. Do male and female children behave differently?*						

* Please describe, if possible: _____

Please use the back for more comments.



Communication between the children

(Multiple answers are possible)	especially true	true	undecided	does not apply	Not correct at all
12. The children are solely exploring the play stations.					
13. The children help each other and talk to each other.					
14. The children seek communication with accompanying adults.					
15. The children follow the pictograms of the game stations.					
16. The children seek help from other children.					
17. Do children of the target group play together with the others?*					

* Please describe, if possible: _____

18a. Do other children, who do not belong to the target group, behave differently?*					
18b. Do male and female children behave differently?*					

* Please describe, if possible: _____

Please use the back for more comments.



Play stations in MiniMathematikum

	(Multiple answers are possible)	especially true	true	undecided	does not apply	Not correct at all
19. The children use all 15 play stations.						
20. Children prefer special play stations. *						
21. Children avoid special play stations. **						
22. Children are satisfied with the results at the game stations.						
23. The play stations are too difficult for the children.						

* If yes, which? _____

**If yes, which? _____

24a. Do other children, who do not belong to the target group, behave differently? Do they prefer or avoid other play stations?*					
24b. Do male and female children behave differently? **					

*Please describe, if possible: _____

**Please describe, if possible: _____

Please use the back for more comments.



Accompanying adults ant teaching staff (Self-Assessment)

You ...	(Multiple answers are possible)	especially true	true	undecided	does not apply	Not correct at all
25. ... prepared yourself in advance for visit of exhibition						
26. ... had to guide the children in general.						
27. ... had to guide the children of the target group more than others						
28. ... hold back and stayed in the background.						
29. ... are interested yourself in experimenting with the game stations.						
30 Research-based learning at play stations was known to you before.						
31. Do you personally consider such game stations useful?						
32. Could you imagine using such teaching ideas for your own activity?						

Do you have suggestions for improvement?

Please use the back for more comments.

Name:

Vocational Training (if relevant in this context):

Organization:

Place of Exhibition:

Date:

Signature: