STRATEGIES TO SUPPORT STUDENTS' NUMBER CONCEPTS AND ADDITION COMBINATIONS DEVELOPMENT IN MULTILINGUAL CLASSROOM
pat heung central primary school


## STUDENTS' BACKGROUND

- Grade level: P. 1
- Number of students: 65 (3 classes)
- Number of NCS students: 33
- Number of local students: 32


## CHARACTERISTICS IN OUR CLASSROOM

- Huge learning diversity (even within NCS group)
- Lack of support from family (Not only NCS students)
- English as medium of math education


## STRATEEIES USED

- Holistic approach
- Sustainable approach
- Amendment and abridgement of textbooks' chapters


## TASK / TALK / TOOL

Tasks: Counting activities, logical practice, etc
Talk: Simple consistent language ( "___ and __
Tools: Counters, 10 frame, relational rods, etc

## VARIOUS TOOLS AND TASKS FOR STUDENTS TO UNDERSTAND THE CONCEPTS

- Counters
- Various representations of concepts : number frame (10-frame), number lines, cheery model, bar model, c-rods, drawings, etc.
- Story books
- In class math Game
- Nursery rhymes and songs


## COUNTERS




## VARIOUS REPRESENTATIONS: 10 FRAME AND CHERRY MODEL



## VARIOUS REPRESENTATIONS: NUMBER LINE



## VARIOUS REPRESENTATIONS



## 10 FRAMES AND MATH LANGUAGE



## RELATIONAL RODS



## NUMBER STORY



## DRAWING THE ANSWERS



Read the question, write the number sentence and complete the answering sentence in the box below



Read the question, write the number sentence and complete the answering sentence in the box below
How many animals are there in all?


There are 8 animals in all
2. Mr Tang has 6 books. Mr P. Lui has 5 books. How many books do they have in total?


They have $\qquad$ books in total.

## DRAWING THE ANSWERS



Read the question, write the number sentence and complete the answering sentence in the box below.



Read the question, write the number sentence and complete the answering sentence in the box below


## IN-CLASS MATH GAMES



## КАНООТ




## NURSERY RHYMES AND SONGS

Name: $\qquad$ ()
P. 1 $\qquad$


## CONCLUSION

- Holistic approach
- Sustainable approach
- Amendment and cut of textbooks' chapters


## CONCLUSION

- Holistic approach
- Sustainable approach
- Amendment and cut of textbooks' chapters


## FINAL CONCLUSION: TEAMWORK



