

KINDER PARENTS
MATHEMATICS
INFORMATION
SESSION

5 10784.36
2.719372
9 ÷ 1

Mathematics Mentors for 2015 are:

Anita Green
Janelle Kelly
Tania Johnson



How do you support your child at home in the area of maths?

- Chat to the person next to you about this question.



Classroom - Then vs Now?

Then	Now
Chalk and talk	Proficiency standards
Rote learning	Student focused
Everyone doing the same activity	Differentiation
Pen and paper	Hands on Activities
Calculators	21 st Century Technology
Learn a process	Learning strategies



A 2014 Prep classroom



Today's Mathematics Classrooms

- Teachers have **high expectations** that children will learn mathematics.
- Teachers focus on each child's mathematics **learning needs**.
- Children work as **whole class, in small groups and individually**.
- Mathematics **concepts and strategies** are explained using material and everyday language.
- Children are actively and regularly involved in using mathematics to **solve real problems**.
- Children **share their learning** and are **given feedback** and encouragement by the teacher and other children.

Australian Curriculum

Areas of Mathematics

- Number and Algebra
- Measurement and Geometry
- Statistics and Probability



Proficiency strands

- Fluency
- Understanding
- Reasoning
- Problem solving

WHAT?

HOW?

Encouraging Children to talk about Mathematics

Ask open ended questions or statements:

- How did you work this out?
- Tell me about this one.
- What would you do now?
- I wonder how you would....

Pause and wait for the child to answer.

Give encouraging feedback:

- I like the way you...
- That was very clever.

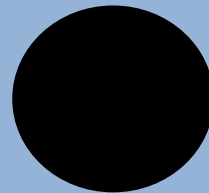
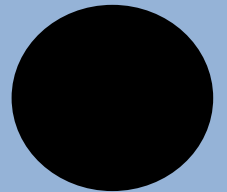
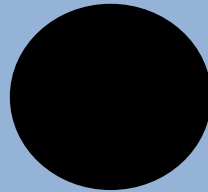
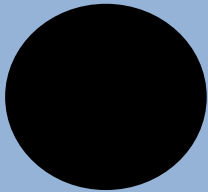
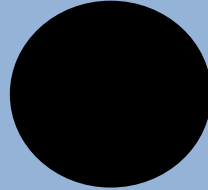
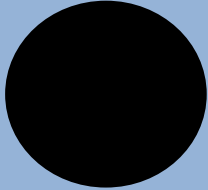
Be an active listener:

- Watch the child's face
- Don't interrupt
- Nod, smile and use facial expressions to encourage further responses.
- Show interest in any associated written work or construction

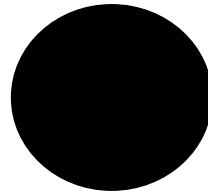
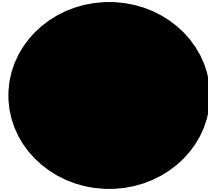
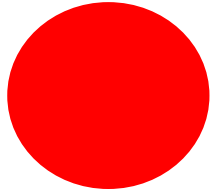


SUBITISING

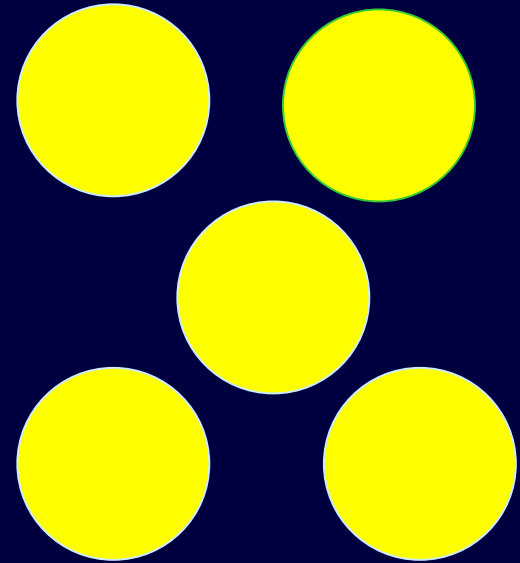
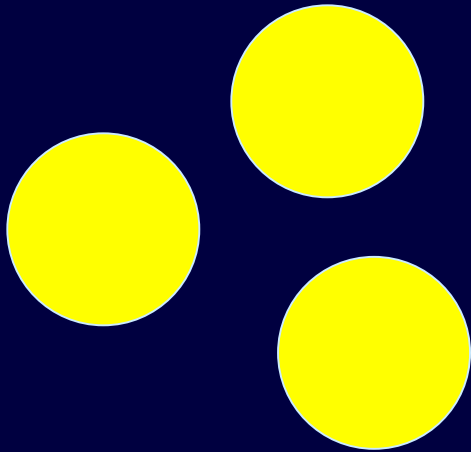
- How many dots can you see???



Keep watching



Don't blink now



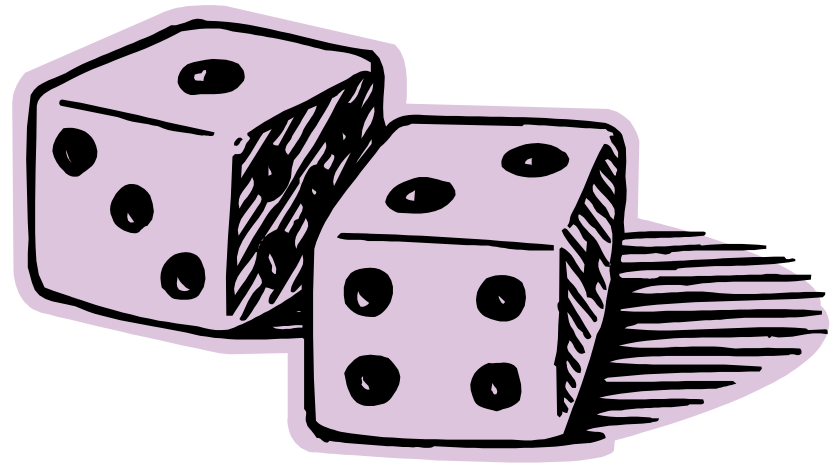
Cards

- Fish/ matching pairs
- Speeding



Dice and Magic beans

- Roll the dice. Say and count the number of dots. Touch and tap
- Roll the dice collect that many objects eg pencils, shoes, pasta



Math Online Interview - MOI

- MOI is an Education Department Interview in all Victorian schools.
- The one to one interview will be conducted with the classroom teacher on a Wednesday during Term 1 at an allocated time.
- It develops a profile of your child's numeracy development.
- Informs focused teaching of students strengths and weaknesses



Handout

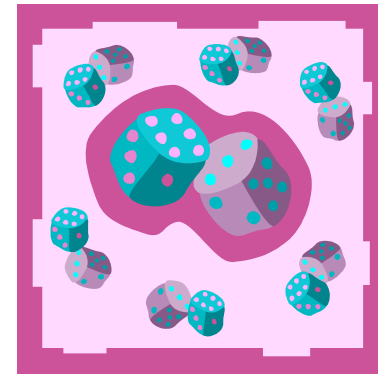
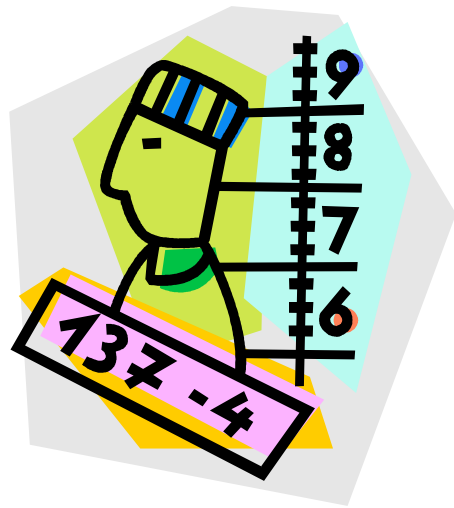
- Please take a hand out on

‘Parents counting too’.



Task for home!

- With the person next to you discuss what game you will go home and play with your child/children.



Confucius Quote

I hear and I forget.

I see and I remember.

I do and I understand.

*Chinese philosopher & reformer (551 BC -
479 BC)*

