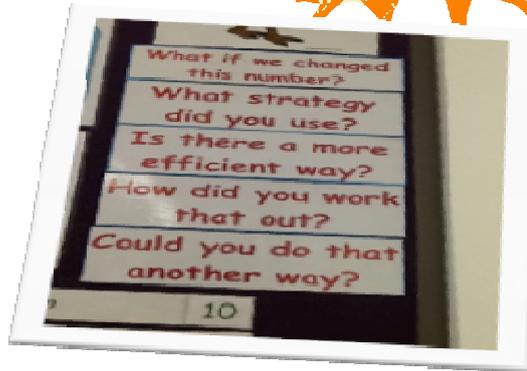


EMU Extra

Extending Mathematical Understanding For Parents



EMU Extra!

2014 has gotten off to a good start with children being engaged in rich learning tasks encompassing a variety of mathematical concepts including, for example, addition and subtraction, time, perimeter, multiplication and place value. Some examples of learning can be seen on the following page.

During numeracy, children work towards solving open-ended tasks. Their success is directed by teacher questioning, which guides students to show the depth of their mathematical thinking. Some of these questions can be seen above.

Students are encouraged to show their thinking in various ways including pictures, words and symbols.

FOCUSING ON PROVING ANSWERS

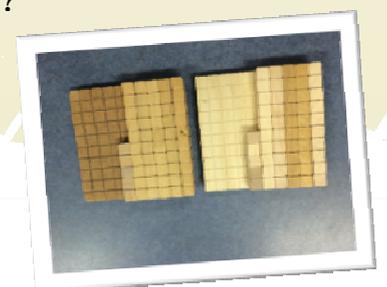
One of the key questions that Ann Gervansoni always uses when she works with us on the EMU course is "Can you prove that?" You only really understand something if you can show how it all fits together.

Recently during a Year 5 mathematics Warm Up activity, Miss Magro reflected that children could record 2 groups of 5.5 equaled 11. On asking for proof with concrete material (MAB), the children showed this as 2 groups of 0.55. This response shows the importance of giving children the opportunity to prove their answers and how by doing so they are able to clarify their understanding.

The following are examples of questions used to assist children to prove their answers.

- Tell me how you worked it out?
- Show me how you did this?
- How did you work it out?
- Can you show me what you're

thinking ?



Glossary of Terms

MAB

Multi Attribute Blocks used to help children visualise the value of numbers.

Polygon

A polygon is a plane figure (2D shape) with straight sides.

2D and 3D Shapes

2D: Two dimensional shapes have length and width such as a triangle, square or rectangle.

3D: Three dimensional shapes have length, width and height such as a cube and cylinder.

PATTERNS ARE ALL AROUND US: CHALLENGE!

Try this!

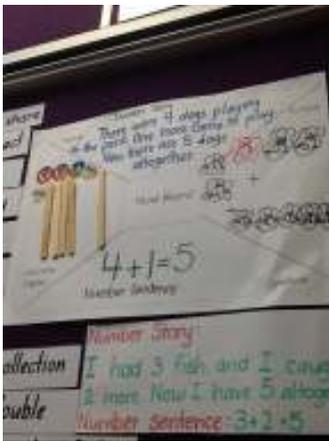
Patterns are all around us! During the Easter holidays, keep a look out for patterns. I wonder if Easter eggs have any patterns on them?

Find a pattern in the natural environment, around your house or even in your classroom. You could find a number patten, colour pattern, word pattern or even a shape pattern. Can you find a rule to fit your chosen pattern?

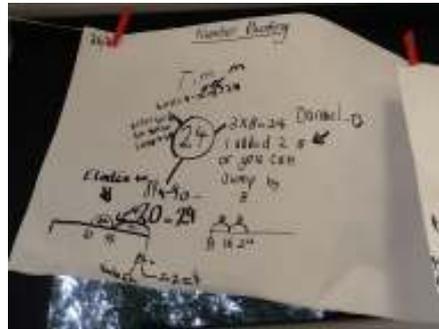
Take a photo of this pattern or draw it. Send your pattern challenge examples to Miss Natoli or Mrs Standing with your name and class clearly labelled. Examples of these will then be displayed on the EMU Extra display board at the top of the stairs leading down to the stage.



NUMERACY ALIVE IN OUR SCHOOL



Kindergarten- Story Board



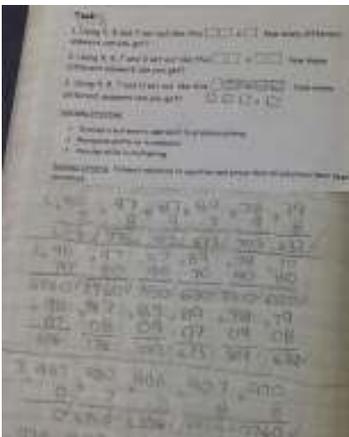
Year 3- Number Busting Time



Year 1- Data



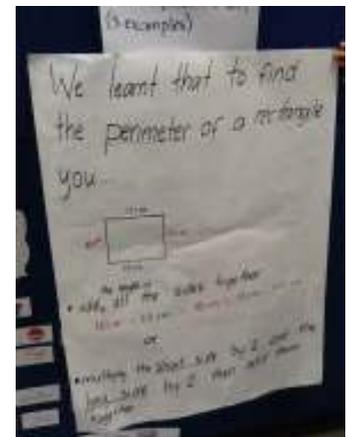
Year 2- Two Minute Challenge



Year 6- Multiplication



Year 4- Number Lines



Year 5- Perimeter