



Primary 4

Mathematics

Mathematics Department

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ASSESSMENT OBJECTIVES

Pupils should be able to:

❖ **recall** specific mathematical facts, concepts, rules and formulae, and perform straightforward computations. (***Knowledge***)

Example,

What is 300 more than 345?

Source: <http://www.seab.gov.sg>

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ASSESSMENT OBJECTIVES

Pupils should be able to:

❖ **interpret** data and **use** mathematical concepts, rules and formulae, and solve routine or familiar mathematical problems.
(Comprehension)

Example,

A table costs \$120. It cost 5 times as much as a chair. Mrs Tan bought 1 table and 4 chairs. How much did she pay altogether?

Source: <http://www.seab.gov.sg>

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ASSESSMENT OBJECTIVES

Pupils should be able to:

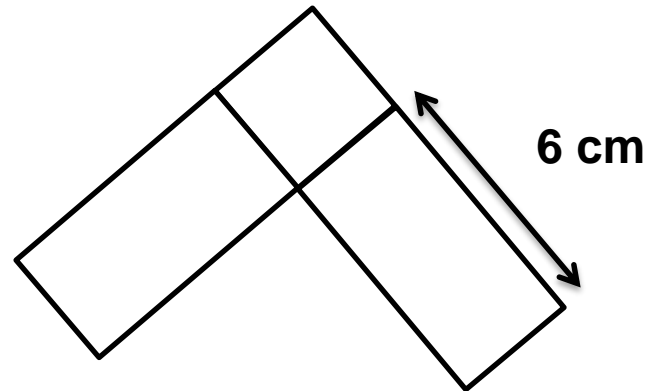
❖ **analyse** data and/or **apply** mathematical concepts, rules and formulae in a complex situation, and solve unfamiliar problems.

(Application & Analysis)

Example,

The figure is made up of 2 identical rectangles and a square. The total area of the 2 rectangles is 48 cm^2 .

What is the area of the square?



Source: <http://www.seab.gov.sg>

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Areas of concern

Topics (P4)

- Rounding off
- Factors and Multiples
- Area and Perimeter
- Fractions
- Decimals

Skills

- Heuristics
- Problem Solving

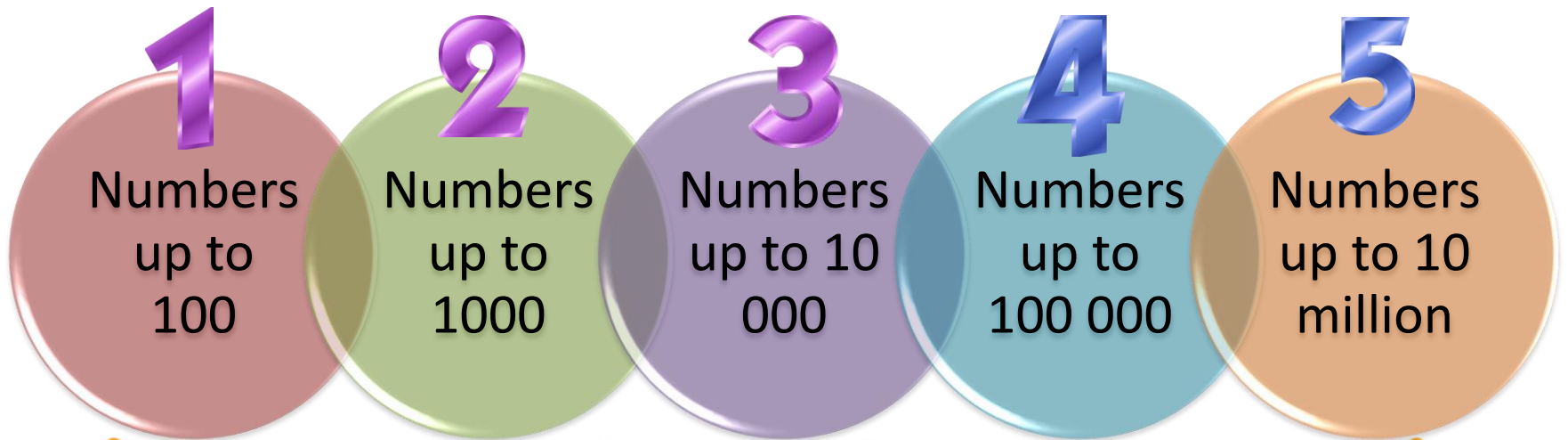
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A Spiral Approach

- Mathematics is largely hierarchical in nature.
- Higher concepts and skills are built upon the more foundational ones.



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Demands of P5 (std)

Primary 4	Primary 5
Section A – MCQ (20 marks)	Booklet A – MCQ (20 marks)
Section B – SAQ (40 marks)	Booklet B- SAQ (25 marks)
Section C - LAQ (20 marks)	Paper 2 –SAQ and LAQ (55 marks)
	<u>New Topics</u>
	Volume
	Percentage
	Ratio
	Rate
	Area of Triangle

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P5 standard vs P5 Foundation

- The P5-6 Standard Mathematics syllabus **continues the development of the P1-4 syllabus**
- P5-6 Foundation Mathematics syllabus **re-visits some of the important concepts and skills** in the P1-4 syllabus.
- The new concepts and skills introduced in Foundation Mathematics is a **subset of the Standard Mathematics syllabus**

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Partnership with parents

A decorative border at the bottom of the page features a lush green lawn with various flowers, including white daisies and small blue and yellow blossoms. Several colorful butterflies in shades of orange, yellow, and blue are scattered across the scene, appearing to flutter over the garden.

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Partnership with Parent

- ❖ Ensure that your child **completes his homework** daily.
- ❖ Encourage your child to **attempt all questions** in daily assignments.
- ❖ **Guide** him through by getting him to verbalise his thoughts on how he can approach the question
- ❖ **Review mistakes** made. Cover solution and re-attempt the question.
- ❖ Master **basic computational skills**
- ❖ Ensure **good mental calculation skills**

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Partnership with Parent

- ❖ **Praise, encourage** and **motivate**
- ❖ Ensure **conducive working environment**.
- ❖ **Strategize** – focus on areas of weaknesses
- ❖ **Time management**
- ❖ **Regular practice** is essential in achieving mastery of the mathematical concepts taught.



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Online Learning Portal

https://www.mconline.sg/LEAD/login/lms_login.aspx



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<http://www.starmathgames.com>

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IXL Math Practice

1st Grade	≤ 6th Grade
2nd Grade	7th Grade
3rd Grade	≈ 8th Grade
4th Grade	x^2 Algebra 1&2
5th Grade	△ Geometry

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Featured Games



Riot of the Numbers

KEY FEATURES: - 20 unique levels and 2 epic boss battles. - each level has a math equation to solve. The player must think how to kill the enemies in order to solve the math equation. Some levels can be done in multiple ways.

PLAY

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THANK YOU

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