



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:

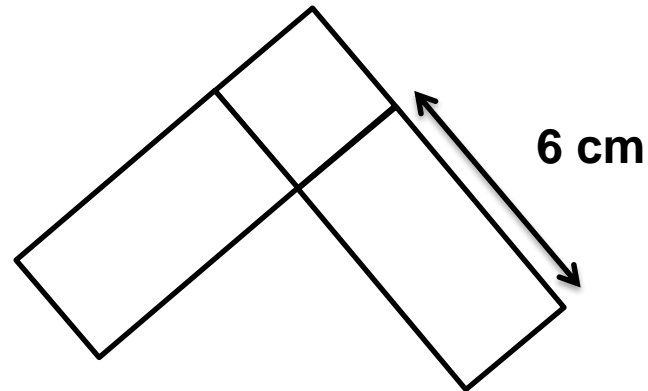
❖ **analyse** data and/or **apply** mathematical concepts, rules and formulae in a complex situation, and solve unfamiliar problems.

(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

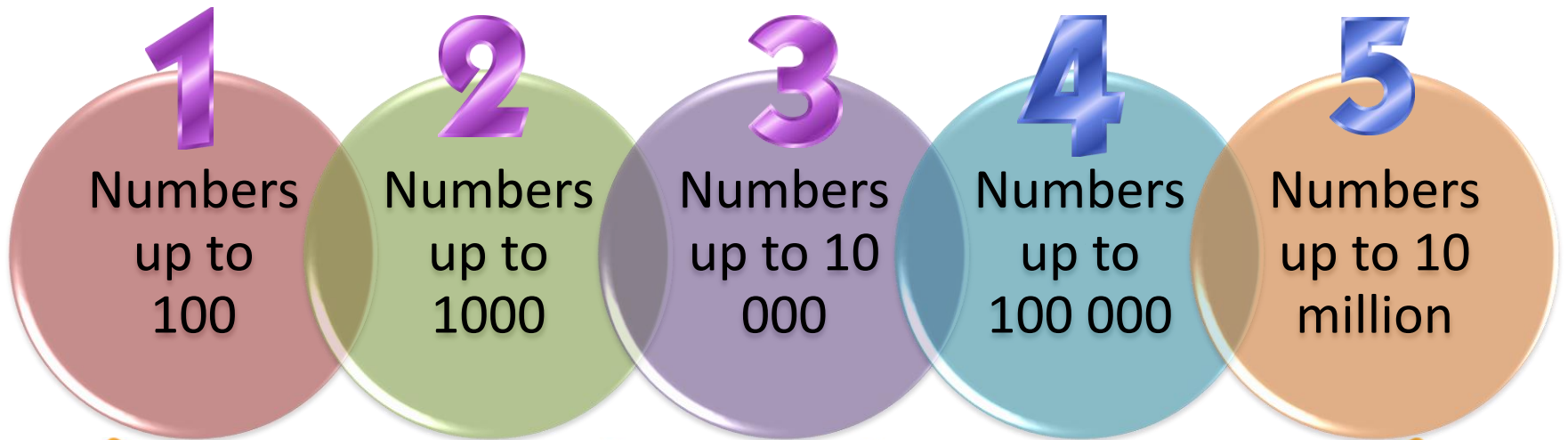
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A Spiral Approach

- 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

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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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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.

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THANK YOU

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