Primary 4 Math Tuition: Mastery Checklist (MOE/SEAB-aligned)

A fast, practical guide for parents and Primary 4 students to build a strong foundation for Primary 5 and PSLE Math.

Max 5 pages | Use as weekly checklist | Updated for 2025 syllabus

Quick Start

- Do 15-20 min daily: 5 min basics + 10 min word problems.
- Keep an Error Log (mistake -> why -> fix).
- Every weekend: 1 timed mini-paper (30-40 min).

Why Primary 4 is a turning point

Primary 4 is where skills start to **connect across topics**: fractions meet decimals, word problems become multi-step, and geometry/statistics require careful reading. The goal is not just to get answers, but to build **methods you can explain**.

Why have tuition with eduKateSG

- ☐ Small-group coaching (max 3 students) so your child gets immediate feedback.
- ☐ Step-by-step mastery: concepts first, then methods, then exam-level application.
- ☐ Word-problem training with bar models, diagrams, and clear reasoning.
- ☐ Weekly error analysis to eliminate careless mistakes and build confidence.
- ☐ Parent updates: you know exactly what to practice at home.

Want a personalised plan for your child?

WhatsApp us at +65 8823 1234 for schedule and consultations. wa.me/6588231234

Primary 4 MOE Syllabus Snapshot (2021 Syllabus - Updated Oct 2025)

Use this page as your **mastery checklist**. Tick items only when your child can do them confidently **and** explain the method.

Official references: MOE syllabus page MOE PDF (Oct 2025) SEAB PSLE

Number & Algebra

- ☐ Whole numbers up to 10 million: read, write, compare.
- ☐ Four operations fluency (incl. multiply/divide by 10, 100, 1000) without a calculator.
- ☐ Order of operations + brackets (no calculator).
- ☐ Factors & multiples (incl. common factors).
- ☐ Fractions: mixed numbers & improper fractions; fraction of a set.
- ☐ Add/subtract fractions (up to two different denominators, denom <= 12).
- ☐ Decimals up to 3 decimal places; rounding to required accuracy.
- ☐ Add/subtract decimals (up to 2 dp); multiply/divide decimals by 1-digit whole number.
- ☐ Divide whole number by whole number with quotient as a decimal.

Measurement & Geometry

- ☐ Area & perimeter: composite rectangles/squares; find missing dimensions.
- ☐ Angles: name, measure in degrees, draw given angles.
- ☐ Properties of rectangle & square; draw accurately.
- ☐ Line symmetry: identify, test, complete symmetric figure on grids.
- ☐ Nets/2D representations: cube, cuboid, prism, pyramid; identify solids from nets.

Statistics

- ☐ Tables: complete from given data.
- ☐ Line graphs: read & interpret data.
- ☐ Pie charts: read & interpret parts of a whole.

Important: topics that often appear as ‘bridge’ skills

In the updated syllabus, students begin early exposure to **percentage** (use of %, simple percentage of a whole, real-life contexts like discount/GST/interest), **rate** (amount per unit), and **unit conversions** written in decimal form. Treat these as **application skills**: practise with word problems.

The ‘Alpha’ Toolkit: How strong students actually practise

Grades improve fastest when practice is **structured**. Use this loop each week (it works even with busy schedules).

Learn	Drill	Apply	Reflect
One concept (10–15 min)	Targeted practice (15–20 min)	Word problems (15–25 min)	Error Log + fix strategy

Problem-Solving Heuristics to train in Primary 4

- ☐ Bar model (part-whole, comparison, before-after).
- ☐ Draw a diagram / make a table (especially for geometry & data).
- ☐ Work backwards (multi-step word problems).
- ☐ Look for patterns; simplify the problem first.
- ☐ Estimate first: sanity-check answers (units, size, reasonableness).

Mistake-Proofing (the fastest score boost)

- **Units**: always write them (cm2, m, $, min). Missing units cost marks.
- **Keywords**: circle what the question asks (difference? total? each? remainder?).
- **One-line check**: redo the last step mentally to catch careless slips.
- **Error Log**: keep 3 columns - Mistake, Why it happened, Fix (rule/strategy).

Weekly Minimum (if your schedule is tight)

- 2 x 20-min concept drills (fractions/decimals/operations).
- 2 x 25-min word problem sets (mixed topics).
- 1 x timed practice (30–40 min) + 10-min review.

Parent & Student Checklist: What to do at home (without stress)

You don't need long hours. You need **consistent reps** and a calm routine. Use this page to stay on track.

Daily routine (15–25 min)

- ☐ 5 min: mental sums (tables, factors, quick fraction/decimal).
- ☐ 10 min: one focused skill (e.g., rounding decimals, mixed numbers).
- ☐ 10 min: 1–2 word problems with full working.
- ☐ 2 min: check answer + write 1 takeaway.

How parents can help (high impact)

- ☐ Ask 'How did you know?' (explain reasoning, not just steps).
- ☐ Praise effort + strategy, not only answers.
- ☐ Keep practice short but frequent (consistency beats cramming).
- ☐ Review corrections together (don't skip wrong questions).
- ☐ Use real life: receipts (GST/discount), recipes (fractions), maps (scale).

How to access MOE / SEAB official information

1. MOE syllabus: go to MOE 'Primary school subjects and syllabuses' and download the latest Mathematics syllabus PDF.
2. SEAB PSLE: visit SEAB's PSLE page for exam information, formats and subject syllabus documents (Standard/Found.).
3. Save the PDFs to your phone so you can check topics anytime.

Tap links (or scan the QR in the header):

MOE syllabus page MOE Mathematics PDF SEAB PSLE page

Note: School-based weighting and assessment practices vary. This checklist supports learning and exam readiness, but always follow your school's guidance.

Bridge to Primary 5: the foundation you want by end of Primary 4

Primary 5 moves faster and connects topics more tightly. If your child finishes Primary 4 with these foundations, Primary 5 becomes far less stressful.

P5 readiness checklist

- ☐ Fractions/decimals: accurate operations with good working.
- ☐ Word problems: can model and explain a multi-step solution.
- ☐ Perimeter/area: composite figures and missing dimensions.
- ☐ Graphs/charts: interpret tables, line graphs and pie charts calmly.
- ☐ Habits: checks units, labels answers, reviews mistakes.

How we want the best for our P5 students

- ☐ Strong confidence: no fear of fractions, decimals and problem sums.
- ☐ Clean fundamentals: fewer careless mistakes, faster basic calculations.
- ☐ Heuristics mastery: bar models + clear reasoning every week.
- ☐ Exam readiness: timed practice + reflection, not last-minute cramming.
- ☐ Long-term growth: habits that carry into PSLE and secondary math.

Next steps & helpful links

- Open the Primary 4 source page Open
- Open the Primary 5 Math Tuition page Open
- Open SEAB PSLE Mathematics syllabus (Standard - 0008) Open

If your child is stuck in P4, don’t wait for P5.

WhatsApp +65 8823 1234 for a quick diagnostic and plan. wa.me/6588231234