

# Math at Home — Parent Resource (Pre-K–12)

## Free Math Practice & Instruction Sites

- Khan Academy — <https://www.khanacademy.org>
- Khan Academy Kids (Pre-K–2) — <https://learn.khanacademy.org/khan-academy-kids/>
- Desmos Classroom Activities (6–12) — <https://teacher.desmos.com>
- PhET Interactive Simulations — <https://phet.colorado.edu>
- Math Playground (K–6) — <https://www.mathplayground.com>
- Starfall (Pre-K–3) — <https://www.starfall.com>
- Purplemath (Algebra support) — <https://www.purplemath.com>
- Math Help (topic lessons & practice) — <https://www.mathhelp.com>
- MathMashup (games & mixed review) — <https://mathmashup.com>
- Mathseeds- (students in grades K-2 have full access via ClassLink)
- IXL — (students in grades 3-12 have full access via ClassLink)

## Parent Tips for Supporting Math at Home

- Set a short daily routine: 15–30 min (K–5), 30–60 min (6–12).
- Combine a short lesson + practice: watch (Khan/Purplemath), then practice (IXL/Math Playground).
- Use everyday moments: cooking for fractions, shopping for estimation, travel for rate/time.
- Ask how and why: encourage math talk and explanation of strategies.
- Make problems concrete: use counters, coins, number lines, drawings.
- Break tasks into steps: model → do together → independent try.
- Keep it low-stress: praise effort and strategies; keep sessions short and consistent.
- Revisit gaps with scaffolded practice and short video refreshers.
- Track wins: celebrate mastered skills, progress, and persistence.

## Quick Notes

- Younger students need number sense foundations (counting, subitizing, mental math).
- Older students benefit from algebraic reasoning, practice, and explaining steps.
- If your child uses IXL at school, follow the teacher-assigned skills for targeted practice.