



Summer Prep for 4th Grade Math



Mastery of math skills is important to the development of a solid math foundation. The 4th grade math program will add on to the 3rd grade skills listed below. Any time spent practicing and reinforcing these concepts will be very beneficial for your child next year. Each year builds upon the previous year's skills in math. If your child is not fluent in math facts, it is important to practice this summer. Lack of recall will quickly hinder progress and success with problem-solving. Student mastery of basic math skills is as important to future mathematical procedures and reasoning as learning the alphabet is reading and writing. We suggest 60 to 90 minutes of practice per week to maintain current skills and prepare for the next grade level. The chart below provides optional practice for your child to complete over the summer:

Math Expectation	3 rd Grade IXL
Understand place value up to 100,000	B.3, B.6, B.7
Multiplication/Division facts up to 12 (Challenge up to 15)	G.15, G.16, K.13
Multiply a 1-digit number by a 2-digit number (Challenge...1 X 3)	H.8, H.9
Count money in bills and coins / make change	S.1, S.2, S.4
Skip count, ordinal numbers (1 st , 2 nd , 3 rd ...), even, odd	A.1, A.3, A.5, A.6
Classify 2- and 3-dimensional geometric shapes	CC.1, DD.3, EE.1
Add, subtract and multiply whole numbers fluently	B.1, C.1, D.18
Add and subtract fractions with like denominators	Z.8
Use customary and metric conversions	BB.7, BB.16, BB.21
Find the area and perimeter of a square / rectangle	FF.1, FF.10
Identify faces, edges, and vertices of 3D solids	EE.2, EE.3
Identify perpendicular, parallel, and intersecting lines	CC.7
Recognize plane figures that have line symmetry	Y.1, Y.2
Slide, Flip, Turn (Rotation, Translation, Reflection)	T.5 on 2 nd Grade Level
Interpret tally charts, tables and bar graphs from given data	U.4, U.5, U.6
Find the mean (average), median and range of a set of data	V.2
Certain, Probable, Unlikely, Impossible	V.1

Make math fun! Find different ways to “work” math into your days.

- If you need additional help with multiplication and division facts, one option may be Grade 2, Section Y and Grade 3, Sections F, G, K and L.
- You might try a cool, new website (www.mathisfun.com, www.aamath.com, www.mathplayground.com, www.funbrain.com)
- Try a math lesson on Scholastic Study Jams. (studyjams.scholastic.com)
- Review math lessons at Khan Academy. (www.khanacademy.org)
- Play math games using cards or dominoes.