

What is it?

Math Mini Courses Online from A+ Interactive Math are **affordable and excellent way to close learning gaps** in particular areas of Math where students may have weakness. Each mini course covers a logical group of specific math concepts from several grade levels. It offers an in-depth review of math concepts from a very basic to a more advanced level. Mini Math courses help build a strong foundation in Math by providing students with consistent review of the specific areas in which they're weak.

Math Mini Courses Online Include,

- Multimedia Lessons that teach math concepts with fun, colorful and engaging computer animated video lessons, audio and text.
- Interactive Review for each lesson that helps students/parents identify and close learning gaps.
- Worksheets that provide extra practice to help master each math concept.
- Automatic grading and tracking with easy-to-read progress reports.
- Solution Guides that provide detailed step-by-step solutions with visuals to each problem on worksheets.
- Full text versions of lessons that provide additional flexibility for those who like to read through the lessons.
- Printable worksheets and tests for practice offline.

What Would My Student Learn?

The main subject areas covered are:

- 1.1 Introduction to Ratios
- 1.2 Equivalent Ratios
- 1.3 Ratios in Simplest Form
- 1.4 Finding Ratios in Simplified Form
- 1.5 Introduction to Proportions
- 1.6 Finding the Missing Number in a Proportion
- 1.7 Introduction to Probability
- 1.8 Probability Based on a Given Event or Data Set
- 1.9 Making Predictions with Probability
- 1.10 Factorials
- 1.11 Permutations and Combinations
- 1.12 Mean, Median and Mode
- 1.13 Statistical Range
- 1.14 The Basic Counting Principle

A+ Ratio, Proportions, Probability & Statistics

0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9

Not Happening 0 | .25 | Even Chance .50 | .75 | Definitely Happening 1
← Less Likely | More Likely →

Chance to roll a 5
1 out of 6
 $\frac{1}{6} = .17 = 17\%$

$4! \rightarrow 4 \times 3 \times 2 \times 1 = 24$

Middle → Median
Most Common → Mode
Average → Mean

Permutations
 $P(n, r) = \frac{n!}{(n-r)!}$

Combinations
 $C(n, k) = \frac{n!}{k! \times (n-k)!}$

6 to 3
6 : 3
 $\frac{6}{3}$

Ratio → a way to compare 2 things
6 blue balls to 3 orange balls

A+ INTERACTIVE MATH
A foundation you can COUNT on