

## Thinkwell's Homeschool Math Series Placement Guide

Welcome! Thank you for your interest in Thinkwell. We know the curriculum selection process for your homeschool student can be challenging. We want to help you make this decision as straightforward and painless as possible. This Guide and the Placement Tests were created to provide you with a tool to place your student in the appropriate level of math.

Thinkwell offers the following courses in the Homeschool Math series:

Thinkwell's Homeschool 6<sup>th</sup> Grade Math

Thinkwell's Homeschool 7<sup>th</sup> Grade Math

Thinkwell's Homeschool 8<sup>th</sup> Grade Math

Thinkwell's Homeschool Algebra 1

Thinkwell's Homeschool Geometry

Thinkwell's Homeschool Algebra 2

### Typical Sequence of Secondary Math Courses

A typical sequence of secondary math courses completed by a college-bound student is listed below for your use in determining the most appropriate Thinkwell Homeschool course to take. Most college-bound students will take seven or eight years of math between 6<sup>th</sup> and 12<sup>th</sup> grades, beginning with 6<sup>th</sup> Grade Math and ending with Precalculus or Calculus.

6<sup>th</sup> Grade Math

7<sup>th</sup> Grade Math

8<sup>th</sup> Grade Math

Algebra 1

Geometry

Algebra 2

Precalculus

Calculus

### Guide to the Placement Tests

If you are not sure which Thinkwell Homeschool math course is best for your student, completing one or more of the Placement Tests will give you a better idea. Each Placement Test contains 10 questions. There is no time limit for the Placement Tests, but generally a test should take about an hour. Your student should take the test independently.

After completing a Placement Test, you can use the **Guidelines for Interpreting Placement Test Scores** below to determine which course is recommended by Thinkwell. The Placement Test score and corresponding course recommendation should not be the only determining factor when deciding the appropriate course for your student. Your student's grade level and experience in previously completed math courses should also be considered. Please feel free to contact a Thinkwell representative at [support@thinkwell.com](mailto:support@thinkwell.com) or 1.800.684.0058 if you have any questions regarding appropriate placement.

### Guidelines for Interpreting Placement Test Scores

Placement Test	Number of Correct Answers	Recommendation
Placement Test 1	5 or more	<a href="#">Thinkwell's 6<sup>th</sup> Grade Math</a>
Placement Test 2	6 or less	<a href="#">Thinkwell's 6<sup>th</sup> Grade Math</a>
	7 or more	<a href="#">Thinkwell's 7<sup>th</sup> Grade Math</a>
Placement Test 3	4 or less	<i>complete Placement Test 2</i>
	5 or 6	<a href="#">Thinkwell's 7<sup>th</sup> Grade Math</a>
	7 or more	<a href="#">Thinkwell's 8<sup>th</sup> Grade Math</a>
Placement Test 4	4 or less	<i>complete Placement Test 3</i>
	5 or 6	<a href="#">Thinkwell's 8<sup>th</sup> Grade Math</a>
	7 or more	<a href="#">Thinkwell's Algebra 1</a>
Placement Test 5	4 or less	<i>complete Placement Test 4</i>
	5 or 6	<a href="#">Thinkwell's Algebra 1 or Geometry</a>
	7 or more	<a href="#">Thinkwell's Algebra 2</a>
Placement Test 6	4 or less	<i>complete Placement Test 5</i>
	5 or 6	<a href="#">Thinkwell's Algebra 2</a>
	7 or more	<a href="#">Thinkwell's Precalculus</a>
Placement Test 7	4 or less	<i>complete Placement Test 6</i>
	5 or 6	<a href="#">Thinkwell's Precalculus</a>
	7 or more	<a href="#">Thinkwell's Calculus</a>

## Thinkwell's Placement Test 2

Thinkwell's Placement Test 2 is a 10-question test. Complete each question independently and show all work. Do not use a calculator. The test is not timed, but you should finish in less than 1 hour. Use the answer key to score your test after you finish all of the test questions. A recommendation can be made regarding your readiness for Thinkwell's Homeschool 7<sup>th</sup> Grade Math based on your score on this test.

1. Solve.  $6.11 = z - 4.88$

2. If a glass of milk was  $\frac{1}{2}$  full and then  $\frac{3}{8}$  of the glass was drunk, how full is the glass now?

3. Multiply. Express the answer in simplest form.

$$3 \cdot \frac{7}{9}$$

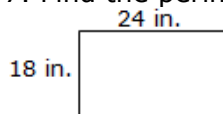
4. Find the missing value in the proportion.

$$\frac{5}{8} = \frac{n}{40}$$

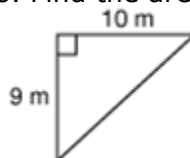
5. Lidia sells dolls at her doll store. If she sells a doll for \$16, and there is 7% sales tax, what is the total cost of the doll?

6. Convert 3,200 kiloliters to liters.

7. Find the perimeter of the rectangle.



8. Find the area of the triangle.



9. Evaluate  $-4v$  for  $v = 10$ .

10. Write an equation for a function that gives the values in the table. Use the equation to find the value of  $y$  when  $x = 11$ .

<b>x</b>	3	5	7	9	11
<b>y</b>	14	24	34	44	?