

## 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 here at Thinkwell 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 8 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

Thinkwell's Homeschool Precalculus

Thinkwell's Homeschool Calculus

### 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	7 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</a>
	7 or more	<a href="#">Thinkwell's Algebra 2 or Thinkwell's Geometry</a>
Placement Test 6	4 or less	<i>complete Placement Test 5</i>
	5 or 6	<a href="#">Thinkwell's Algebra 2 or Thinkwell's Geometry</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 1

Thinkwell's Placement Test 1 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 6<sup>th</sup> Grade Math based on your score on this test.

1. Which of the following will make the statement true?

$$40 > \underline{\quad}$$

- A. 37
- B. 45
- C. 40
- D. 41
- E. None of the above

2. Estimate the difference by rounding to the tens place.

$$834 - 521$$

3. Ben asked six of his friends how many trips they have taken to an amusement park and listed the results in the table below. What is the total number of trips that Ben's friends have taken to an amusement park?

Friend	Number of Trips
1	4
2	6
3	29
4	5
5	25
6	13

4. Multiply.  $495 \times 607$

5. Name the next two terms in the sequence.  
14, 21, 28, 35,     ,     

6. Max drives 42 miles each day. Estimate the number of miles he drives in 4 weeks.

7. Each day at a zoo the lions are fed 89 pounds of food. How many pounds of food will be fed to the lions in one year?

8. Divide.  $23,808 \div 62$

9. One roll of wallpaper will cover 36 square feet. How many rolls should be purchased in order to cover 1020 square feet?

10. Write the phrase as a numerical expression.  
"the sum of 18 and 20"