

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 6th Grade Math

Thinkwell's Homeschool 7th Grade Math

Thinkwell's Homeschool 8th 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 6th and 12th grades, beginning with 6th Grade Math and ending with Precalculus or Calculus.

6th Grade Math

7th Grade Math

8th 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 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 | Thinkwell's 6th Grade Math |
| Placement Test 2 | 6 or less | Thinkwell's 6th Grade Math |
| | 7 or more | Thinkwell's 7th Grade Math |
| Placement Test 3 | 4 or less | <i>complete Placement Test 2</i> |
| | 5 or 6 | Thinkwell's 7th Grade Math |
| | 7 or more | Thinkwell's 8th Grade Math |
| Placement Test 4 | 4 or less | <i>complete Placement Test 3</i> |
| | 5 or 6 | Thinkwell's 8th Grade Math |
| | 7 or more | Thinkwell's Algebra 1 |
| Placement Test 5 | 4 or less | <i>complete Placement Test 4</i> |
| | 5 or 6 | Thinkwell's Algebra 1 or Geometry |
| | 7 or more | Thinkwell's Algebra 2 |
| Placement Test 6 | 4 or less | <i>complete Placement Test 5</i> |
| | 5 or 6 | Thinkwell's Algebra 2 |
| | 7 or more | Thinkwell's Precalculus |
| Placement Test 7 | 4 or less | <i>complete Placement Test 6</i> |
| | 5 or 6 | Thinkwell's Precalculus |
| | 7 or more | Thinkwell's Calculus |

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 6th Grade Math based on your score on this test.

1. Jacob has to drive 709 miles to visit his family for the holidays. Mike has to drive 687 miles to visit his family. Who has to drive the most miles?

2. Waterville has 98,987 gallons of water in its water tower and Rainburg has 98,928 gallons of water. Which town has more gallons of water?

3. Order the numbers from least to greatest.

10,232 9,287 7,998

4. Which of the following is a true statement?

- A. $248 < 382$
- B. $373 > 446$
- C. $213 < 156$
- D. $299 > 815$
- E. None of the above

5. 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

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

$$834 - 521$$

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

8. 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 |

9. Name the next two terms in the sequence.

5, 10, 15, 20, ,

10. Write the phrase as a numerical expression.

"the sum of 18 and 20"