

# TabletClass Math Homeschool

## Pre-Algebra Placement Guide/Test



The purpose of this guide and test is to help you determine if Pre-Algebra is the right level and course for your child at this time in their education.

### Placement Considerations:

1. **Previous course finished:** completion of 7<sup>th</sup> grade math at a minimum is required
2. **Previous course grade:** grade C or better
3. **Age:** flexible, but 11–15 is the age group of most students that take the course
4. **Motivation/goals:** This is important to consider for students that may or may not be ready for Pre-Algebra—a student will need to work hard to pass this course. Also, motivation and desire to learn math is a critical factor to assess, especially for younger students.
5. **Placement Test Results: Over 75%** on the placement test **is desirable**. However, if a student scores **between 65% and 75%**, the course **may still be a good choice for them**. But, if your child scores **below 50%** on the placement test, they **may not be ready for the course, or they will need to review previous math skills before starting the course**.

**FINAL FACTOR:** Ultimately you, the parent, should use your best judgement to determine if Pre-Algebra is the right course for your child. Don't be afraid to move forward on a decision. If your child starts the course, you will likely know in the first month if your placement was a good choice or if you'll need to change course level. If you decide that your child is not ready for Pre-Algebra at this time, you may want to consider our [Math Foundations Course](#) as a review.

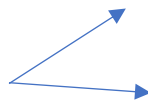
### Directions for Placement Test:

1. Give your child a day or two to review previous math concepts—this review is optional and should be informal without the parent's assistance.
2. Calculator is allowed.
3. No math notes or other reference materials.
4. No smart phones or access to the internet.
5. Time limit is 30 min.
6. Encourage your child to finish all questions to the best of their ability.
7. Once the test is complete- calculate the raw score and percentage.

**Placement Test Starts Next Page** – Answer Key & Score Sheet Is on the Last Page  
— *Make Sure Not To Give Your Child The Key Accidentally*

TabletClass Math Pre-Algebra Placement Test  
20 Questions | 30 minutes

1. What is  $2^5$  equal to?
2. Evaluate  $14 + 3(7 - 2) - 2 \times 5 =$
3. Evaluate  $8w - 2t$  if  $w = 5$  and  $t = 3$
4. What is the average of 3, 7, and 11?
5. Solve the equation  $y - 8 = 15$
6. Evaluate  $|-4| =$
7. What is the correct order of these integers least to greatest?  $-3, 8, -9, 0, 4$
8. Find the sum  $-2 + -7 =$
9. Find the difference  $8 - 12 =$
10. Multiply  $-3 \times 6 =$
11. Divide  $-14 \div -2 =$
12. What is the LCD of these fractions?  $\frac{3}{20}$  and  $\frac{7}{12}$
13. Add  $\frac{2}{5} + \frac{7}{5} =$
14. Divide  $\frac{2}{5} \div \frac{7}{5} =$
15. Find 60% of 60
16. What are the prime factors of 20?
17. Estimate the measure of the angle below:



18. Evaluate  $\sqrt{25} \times \sqrt{49} =$
19. What is the area of a  $4m \times 10m$  rectangle?
20. Given the *Area of a Triangle*  $= \frac{1}{2}bh$  what is the area of a triangle below:



Base=12cm Height=10cm



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**TabletClass Math Pre-Algebra Placement Test**  
**Answer Key | Raw Score**

1. 32
2. 19
3. 34
4. 7
5. 23
6. 4
7. - 9, - 3, 0, 4, 8
8. - 9
9. - 4
10. - 18
11. 7
12. 60
13.  $\frac{9}{5}$
14.  $\frac{2}{7}$
15. 36
16.  $2 * 2 * 5$
17. Any angle between 25 and 60 degrees
18. 35
19. 40 meters squared
20. 60 cm squared

Raw Score % = [ (number of correct answers) / 20 ] x 100

Raw Score % = \_\_\_\_\_