



# DICKSON COUNTY SCHOOL DISTRICT

*Every Student Every Day*

## Preparing for 1<sup>st</sup> Grade Math May 2020

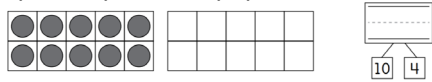
Dickson County math teachers have indicated key skills that would help students be prepared for 1<sup>st</sup> grade math. These skills can be practiced at home in a variety of ways – through skills practice, games, and online resources.

District Packets will remain on the Dickson County Schools website through the summer. These packets contain skills practice pages with answers attached that students could practice. Students can download these and work on their paper without the need for the internet or printing. Go to [www.dcstn.org](http://www.dcstn.org), choose Parents and Students tab, then select Online Learning, Instruction, and Technology Resources. Choose Kindergarten, Math, and select from the 3 printable District Packets which include foundation skills needed for success in 1<sup>st</sup> grade. Students can work on practice pages based on the skills listed below.

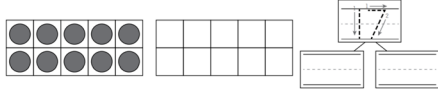
Additional options to prepare your rising 1<sup>st</sup> grader to be successful in math class next year, here are skills that can be practiced from home along with games or online ideas to get you started:

- Fluently add and subtract within 10
  - Addition (or Subtraction) War: Use a deck of cards. Remove the 10s and face cards. Aces = 1 and jokers = 0. Shuffle the cards. Each player gets 2 cards. Players add (or subtract) their numbers. Players should say their number sentences out loud. (Ex. Player gets a 4 and 6. Player would say  $4 + 6 = 10$  and  $6 + 4 = 10$ . If subtracting, player would say  $6 - 4 = 2$ .) Player with the largest sum (or smallest difference) wins the cards. Player with the most cards at the end of the game wins.
  - Practice “making a 10”. 4 and ? make 10. 7 and \_\_\_ make 10. 10 and \_\_\_ make 10. Do this with all the number 0 – 10 to make a 10. Use counters or draw pictures if needed.
  - <https://www.mathgames.com/addition>
- Count to 100 by ones, fives, and tens
  - Ask student to count to 100 by ones starting at 1.
  - Ask student to count to 100 by fives starting at 5.
  - Ask student to count to 100 by tens starting at 10.
- Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20.
  - Have students practice writing the numbers from 0 – 20 on paper.
  - Give students a number between 0 and 20, and have them draw it on paper or show you that many objects.
  - Have students create their own Match Game. Write each number 0-20 on separate, small pieces of paper. Have students draw what each number 0-20 would look like on separate, small pieces of paper. Mix them up, place them face down, and look for the correct match.
  - <https://www.splashlearn.com/number-games-for-kindergarteners>
  - <https://www.education.com/games/numbers-11-20/>
- Compose and decompose numbers from 11 to 19 into ten ones and some more ones by using objects or drawings.
  - Examples of composing numbers: 10 and 2 make 12 written as  $10 + 2 = 12$ , 10 and 5 make 15 written as  $10 + 5 = 15$ . Have students draw what 10 and 0 looks like, 10 and 1, 10 and 2, 10 and 3, and so on. Color the 10 in one color and the ones in a different color. Have students create a

number bond to show the total. Example is shown. Create number bonds and pictures on separate pieces of paper to create a matching activity.



- Examples of decomposing numbers: 13 is 10 and 3 written as  $13 = 10 + 3$ , 19 is 10 and 9 written as  $19 = 10 + 9$ . Write each number 11-19 on a small piece of paper. Put them in a baggie & shake. Draw a number and create a number bond using 10 and some ones. Example is shown. Create number bonds and pictures on separate pieces of paper to create a matching activity.



- <https://www.splashlearn.com/math-skills/kindergarten-grade/numbers-beyond-10-gk/10-and-more>

For students who enjoy online practice and would like to challenge themselves by attempting 1<sup>st</sup> grade content or reviewing kindergarten skills, here are a few websites that will allow you to pick and choose topics.

- Prodigy (Gr1-8) – offers a unique, adaptive learning platform that keeps students highly engaged with math. If your student doesn't already have an account, go to <https://www.prodigygame.com/> and click on "Get your free account."
- Khan Academy (K-12) – offers free lessons where students can use exercises, quizzes, and instructional videos to learn and master skills. Students will get immediate feedback and encouragement. <https://www.khanacademy.org/>
- Dreambox Learning (K-8) – offers an adaptive learning platform that keeps students engaged and adapts based on student needs. Go to [www.dreambox.com/at-home](http://www.dreambox.com/at-home) to register for a free, 30 day trial.
- SplashLearn (K-5) – practice and game opportunities that are engaging and can adapt based on student needs. Go to <https://www.splashlearn.com/math-skills/fourth-grade/place-value/read-and-write-numbers> Parents can sign up for free.

### **Preparing for 1<sup>st</sup> Grade Science**

Elementary science is designed to build on the natural curiosity of children. Asking questions about why something happens (phenomena) then exploring the idea through hands-on activities while building problem-solving and thinking skills are keys to understanding the world around us.

#### **Topics for Exploration include:**

\* Look at how sunlight warms different objects and surfaces (light colored, dark colored, etc.) and describe as "feels warmer" or "feels cooler".

\*Group/Classify plants by where they grow (land or water). What parts help them survive where they live?

\*Observe the sun, moon, and stars. Notice how the sun and moon appear to rise in one part of the sky and set in another. Notice how the shape of the moon changes and how stars twinkle at night but are not visible during the day (other than the sun).

This is a very short list from the numerous topics students will explore next year. To see the complete list of standards (topics), visit: [TN Academic Standards for Science](#)