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## Math exercises for grade 4 pdf

If you log in we can remember which skills you have passed. Each question is a chance to learn. Take your time, use a pencil and paper to help. Try to pass 2 skills a day, and it is good to try earlier years. Important: you may also need other skills, check with your local education authority to find out their requirements. Copyright © 2017 Mathopolis.com

Most students' struggles with higher-order math can be traced to gaps in knowledge of basic math facts. Scholastic Education developed Fastt math to help students close these gaps by developing math fluency through technology. What Is Fastt Math and Who Is It For? Technology motivates students. Fastt Math creators had this motivation in mind when developing the mathematics intervention software. Fastt Math utilizes the Fluency and Automaticity Through Systematic Teaching with Technology systems. Rationale for the program is based on the idea that humans are limited in how much information they can retain to solve problems. For mathematics, this implies that to be successful in higher-order math, students have to be able to retrieve basic math facts accurately and fluently, that is "automatically with understanding," according to Scholastic Foundation Research. How It Works Students in participating schools are assigned a Fastt Math account in second grade. Teachers may also identify students in subsequent grades who could benefit from the program. Participating students are assigned a username and password with which they can gain access to the program from school or home on a 24/7 basis. The lessons are divided into three groups: Fast facts are facts that the students have mastered, meaning it takes students an average of 1.25 seconds to answer accurately. Focus facts are facts that students are working on mastering. Study facts are facts that students will work on the next day. A review page allows students to "preview" the focus facts for the day's lesson. A typical lesson takes 10-15 minutes. Upon completing a lesson, students can choose from several timed games designed to review both Fast Facts and Focus Facts. Teachers track student progress and generate reports by using the Scholastic Achievement Manager. Meeting the Common Core Standards In 2009, a task force led by then Arizona governor, Janet Napolitano, helped launch the Common Core State Standards, or Common Core. It outlines the skills and knowledge public school students must acquire for each grade level. The standards set by Common Core called for students to be fast and accurate in all four (mathematical) operations in order to succeed in higher-order math. Fastt Math Next Generation To help students meet Common Core Standards, Scholastic introduced Fastt Math Next Generation in 2012. New educator dashboards allow teachers to track progress towards Common Core goals. Games, such as STRETCH-To-Go are specifically designed to target Common Core standards, according to Scholastic Media News Room. Proven Effective Fastt Math gets results. Validated over several years with hundreds of students, results show that by using the technology "for 10 minutes a day most math-delayed students can develop fluency," reports Scholastic Research. An experiment involving students using Fastt Math versus two other groups receiving traditional instruction, found students using the technology achieved an average of 12-19 more facts than groups not using the technology. The technology also seems to help with retention. Students in the Fastt Math group were tested again after four months and only lost six facts. A Fastt Math evaluation conducted by EMU students seems to support Scholastic's results. Middle schoolers were tested and randomly placed in either an intervention group using Fastt Math or a control group receiving traditional instruction. After four weeks, students were tested again. Students at all levels showed improvement. Sixth graders showed the biggest improvement, with the intervention group mastering an average of 24.35 math facts versus the 7.46 facts mastered by the control group. Based on the results, evaluators recommended the program to continue. MORE FROM QUESTIONSANSWERED.NET CCO/geralt/pixabay FASTT Math is a program designed to help students achieve success in math and to pass school standardized tests. These tests require students to be fast and accurate with math facts in four operations by the time they reach the end of third grade. Often, students struggle with more complex math concepts if they are not fluent in their math facts. FASTT Math is a program from Houghton Mifflin Harcourt to help students succeed on their math tests. Basics of FASTT Match The program is designed for students who are in second grade of elementary school and beyond. It is appropriate for students who are accelerating their acquisition of math facts as well as for those students are need to catch up. The adaptive technology that the program uses creates a learning progression that is individualized for every student. There is an embedded assessment that ensures students master math facts. The results is that each student's experience is unique, building math fact fluency at a pace and level adapted exactly for that student. What Does FASTT Math Mean? The name FASTT comes from the program's instructional model. The model builds Fluency and Automaticity through Systematic Teaching and Technology (FASTT). It is considered to be the fact fluency program that is the most research-based. About FASTT Math Next Generation FASTT Math Next Generation introduced several new games. It also offers educators an easy way to implement the program, with a teacher dashboard, a leadership dashboard and a student dashboard. It also offers a teacher's guide and lessons in English and Spanish, along with appealing, fun 10-minute instructional sessions that have been proven effective. Distinctive Instructional Methods Some of the hallmarks of FASTT match are the scaffolded daily instructional sessions that are designed and individualized for each student who uses the program. The instruction focuses on targeted facts students need to learn, based on their specific assessment. So students can work and learn at a pace that suits them rather than being compared to their peers. They succeed by doing the best work they can do, and advance accordingly. The games included with FASTT Math Next Generation are designed to help student fluency, by engaging and motivating them. The games use adaptive, independent practice to help students build mastery and gain confidence. New Learning Features A student dashboard in FASTT Math Next Generation helps students see exactly how they are doing with their learning goals. When they can see themselves moving forward with each session, students will achieve their goals even faster because they feel like partners and participants in their own learning. Dashboards for Teachers and Leaders The program features a newly designed teacher dashboard gives access to data to manage math instruction and provide additional interventions to students who need it most. Educators can access the dashboard at any time from any place and see performance data, usage data, a standards snapshot and various notifications. Teachers may also use the dashboard to schedule report production. Administrators can leverage a new leadership dashboard to see the data that they need to determine whether their students are meeting their marks. They can access individual school, grade and class data to keep tabs on performance and implementation. Online Data Management In addition to all of the features we've outlined, FASTT Next Generation includes a comprehensive online management system called SAM. SAM collects and clearly organizes student performance data and accountability requirements. It also supports district-wide data aggregation for teachers, administrators, and technology managers, helping them boost their students and their schools to positions that get the right kind of attention from school districts and beyond. 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