

Array We Go!

WebQuest Description: Learning multiplication with rectangular arrays and other methods

Grade Level: 3-5

Curriculum: Math

Keywords: math, multiplication, array, repeated addition

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Introduction

Do you have a hard time remembering your multiplication facts? Does it sometimes feel like you are trying to memorize a foreign language? Do you wish the facts could be implanted into your mind as quickly as a CD is brought into your computer? Then stick around. This webquest will help you to do just that.

Tasks

The world is counting on you! You and your friends will be the people ruling the world in a few short years. It's critical that you are able to balance your home budget as well as our countries budget. Among other things, homes will need to be built, stores will need to be run and someone will need to run the country. That could be you! To be best prepared for these huge responsibilities, it's very important that you learn your multiplication facts today. Besides, wouldn't it be nice to recall those facts as quickly as you recall your friends names? Times a wasting. Time to get busy!

Process

To become a pro-multiplier work through each of the following. After each activity, complete the part of your math passport as indicated.1.) ARRAY WE GO - Watch the video at

http://www.teachertube.com/viewVideo.php?video_id=1534&title=Using_Arrays_to_Solve_Multiplication_Facts and then complete The Array We Go part of your passport.2.) ARRAY WE GO AGAIN! - Visit the Calculator Array and find the product of 6×5 , 5×6 , 8×3 and 3×8 . Then complete the Array We Go Again part of your passport.3.) DOUBLE DOUBLE - Visit the Double Double Page and find the product of 1×4 , 2×4 , 3×4 , 4×4 , 5×4 , 6×4 , 7×4 , 8×4 , 9×4 , and 10×4 . Then complete the Double Double part of your passport.4.) FIVE ALIVE - Visit the Five Alive Page and the 5's video posted below then find the product of 1×5 , 2×5 , 3×5 , 4×5 , 5×5 , 6×5 , 7×5 , 8×5 , 9×5 , and 10×5 . Then complete the Five Alive part of your passport.5.) EASY BREEZY - Visit the Easy Breezy 1 and the Easy Breezy 2 pages and then find the product of 3×4 , 4×3 , 7×8 , 8×7 , 3×3 , 6×6 , and 8×8 . Then complete the Easy Breezy part of your passport.6.) NIFTY NINES - Visit the Nifty Nines page and then find the product of 1×9 , 2×9 , 3×9 , 4×9 , 5×9 , 6×9 , 7×9 , 8×9 , and 9×9 . Then complete the Nifty Nines part of your passport.7.) PLAYING AROUND - Visit the Repeated Addition Video and Playing Around page and play at least 3 multiplication games. Have fun!8.) Test yourself to see if you are ready to take the quiz. Only move onto the next part of the webquest when you have missed less than 5 problems.

Evaluation

Once you are feeling confident about your ability to use some of the tools to multiply that you were given in this webquest, move on to the quiz. You must continue to take the quiz until you earn a 90% or better.

Category and Score	Not Quite	On Your Way	Almost There	Pro-multiplier	Score
ARRAY WE GO and AGAIN	Not able to draw rectangular arrays.	Makes some errors when drawing a rectangular array for some facts.	Able to draw a rectangular array for all facts but does so with little connection to the concept.	Able to draw a rectangular array for all facts. Able to explain why a array shows the product.	

Category and Score	Not Quite	On Your Way	Almost There	Pro-multiplier	Score
				Total Score	

Conclusion

You've done it! You really did it! You are now a PRO-MULTIPLIER! Way to go! Just think of how much easier it will be for you now. You can spew the products of two numbers as quickly as you can recall your friends names. As a result, learning division will be so easy!

Teacher Page

This Webquest is appropriate for children who already understand addition and are ready to learn about multiplication.

Standards

Credits

Other

Reviews

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