

Awesome Adventure go & Regroup

WebQuest Description: Students will view videos from Teacher Tube and You Tube to review subtraction with regrouping. They will enhance knowledge via playing online games. Their understanding will be checked via worksheets and poster presentation.

Grade Level: K-2

Curriculum: Math

Keywords: Grade 2, Subtraction, regrouping, math

Published On: 2012-12-06 17:10:05

Last Modified: 2012-12-21 00:52:05

WebQuest URL: <http://zunal.com/webquest.php?w=177314>

Introduction

Welcome Awesome, You are starting on an adventure. You are on an adventure called Two Digit subtraction with Regrouping. Your adventure include talks, songs, games and showing off what you learn. Did I say YOU are going to decide which teacher gives best tests? Are you ready? Get set, and GO!

Tasks

Welcome Math Wiz, You are starting on an adventure. You are judging several competitions today. Today, you will (1) Observe some teachers talk (2) Judge on Math Magic Competition and vote for best singer (3) Play games and decide which you like the best (4) Grade some teachers on how easy, challenging or difficult their test is (5) Create a poster showing two digit subtraction with regrouping. The poster will show rules for two digit subtraction with regrouping and at least two examples. You may choose to write a story, make a poem, design a cartoon strip, or choose any other method to show what you know. Be creative and have fun!!

Process

Hello Awesome, math wiz, Lets start on the adventure. Are you ready? Set? Then Let's Go. (1) Observe Teacher Talk Choose three of the links below and observe the teachers talk about how to subtract with regrouping. More on Floor, Go next door: Regrouping: Walk down the Review Lane: <http://www.youtube.com/watch?v=veYFrSC4QYI> Watch my buddies teach: http://teachertube.com/viewVideo.php?title=Subtraction_with_Regrouping&video_id=42955 Look n learn: see the blocks break: http://teachertube.com/viewVideo.php?video_id=128002 (2) Judge a Math Magic Competition Next, watch these videos and decide who is the best singer? Who tells everything about how to subtract with regrouping? Eliminate the one who leaves off the stuff. Rock Star: Go next door Subtraction rap: <http://www.youtube.com/watch?v=BvsEbrWV00E> Move n Grove with Subtraction: <http://www.youtube.com/watch?v=8JS397L9YfM> Who was the best singer out of three? Did you eliminate anyone? Use score card from your teacher to decide the best singer. once you complete it, staple it in your interactive notebook. (3) Time to Have Fun and Play Game It is time to have fun!! Click on any two games below and have fun playing subtraction games. See how far can you go in 30 minutes? Which level can you reach? Choo Choo Train: <http://www.dositey.com/2008/addsub/subra4.htm> Math Man, eat the monsters: <http://www.coolmath-games.com/0-math-man/index.html> Math Madness- Basketball: <http://www.fuelthebrain.com/Game/play.php?ID=69> (4) Grade the teacher's test Ms. Fiona Apple and Mr. Alec Bowman are two math teachers at your school. Each of them think he or she gives the best tests. You decide who is the best test maker. Go to blue folder, get the test for each teacher and complete it. Now, grade each teacher as easy, challenging or difficult. When you finish grading the teachers, staple each test in your interactive notebook. (5) Create the Poster WOW! You Had A Long DAY! Decisions! Decisions! You are ready to show off what you learn today! Get the poster paper from your teacher. Be creative and show the rules for subtracting with regrouping. Use at least two examples as part of your presentation. you can write a story, make a game or cartoon strip, make a puzzle, write a poem, make a model, you choose how you want to show what you learn. Use the rubric to make sure you did your best. If you need and if time permits, revisit any of the above tasks again or go for extras. Have a great time exploring, conquering subtraction with regrouping my adventurous, awesome, math wiz!!

Evaluation

Please refer to attached Rubric for evaluation of your completed web quest. Remember to refer to it while you are completing a task. You can also get the rubric from your teacher.

Category and Score	Novice	Developing understanding	good understanding	Excellent	Score
View Minilessons; watch videos	No interest, went through paces	Some interest	Understand and can explain	Good understanding	20
Worksheets	less than 50% correct	less than 75% correct	90% correct	Excellent. All correct, both bonus questions completed and explained	30
Game	Play basic game. No advance	Somewhat advanced	at least level 3	Master level	20
Presentation	No understanding of rule	Some but missing information	improved but missing steps	demonstrates excellent understanding and	30
				Total Score	

Conclusion

Great Job!! You have mastered how to do two digit subtraction with regrouping. You are ready to embark on Multiplication Mania next. Give yourself a pat on the back for going on Subtraction adventure and conquering the regrouping challenge. What? You want to test your gray noggins more? Well, Click one of the links below.

<http://mrnussbaum.com/draggablemain/index2/www.scweb4free.com/subtr.html>
<http://www.squiglyplayhouse.com/Games/Flash/Educational/Subtraction/>

When you wish, go ahead and choose to work on a puzzle or play a game from your blue folder. Look for Subtraction with regrouping heading. Go Awesome!

Teacher Page

This web quest will take about a week. The web quest will be used as differentiation activity; student will go on the quest for part of the class period. Each class period, the student will go through a step or two, reflect and analyse. On day 1, student will watch teacher talk and subtraction song videos. These tasks are designed as review activities. On Day 2, the student will play a game or two and reinforce the knowledge. Day 3 and Day 4 will be used for content mastery check. While grading the tests from different teachers, student will perform the subtractions. Teacher may check the interactive note book and need to redirect the student at this time. Next day will be student will create the poster and present to teacher. Alternately, he may need to spend more time relearning the concepts. Student may present the poster to classmates, to teacher, or go on to more challenging activities. At end of week, student will have good understanding of two digit subtraction with regrouping. He will show mastery via performing operations on worksheet and poster presentation showing rules. Content differentiation will be achieved by giving student choice of videos to view and games to play. Process differentiation will result in student accessing the material. Poster presentation will give the students opportunity for product differentiation and the way he chooses to present what he learned. His skills of synthesizing information will also shown by his examples (word problem versus drawing problems versus simple digits).

Standards

Common Core Georgia Performance Standards:

MCC.2.OA.1 Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. Add and subtract within 20.

MCC.2.OA.2 Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.

Use place value understanding and properties of operations to add and subtract.

MCC.2.NBT.5 Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

Credits

I would like to thank my instructor, Mrs. Robinson, for exposing me to web quest. I made this web quest for my son who dislikes worksheets, needs challenging work and loves to play games on computer. I would also like to thank my daughter for being my editor. This web Quest would not have been possible without Zunal and generous sharing from internet community. Thank you for sharing your knowledge and fruits of your learning. I have tried to give credits but if any credit is missing, the images are obtained using Google images; web hopping have resulted in getting other information. Tests are generated using information available to teachers, some from other teachers as well as Georgia Frameworks for Common Core Performance standards. Again, Thank you and I hope this web Quest will help you with teaching your students.

- Move n Groove with Math: <http://i1.ytimg.com/vi/8JS397L9YfM/mqdefault.jpg>
- Go next door: http://support.prometheanplanet.com/upload/img_400/Yellow_house.jpg
- Example of two digit subtraction with regrouping:
- <https://wiki.eee.uci.edu/index.php/File:Regroup.jpg>

- Let's see how to subtract with regrouping
- <http://powerss.ism-online.org/files/2011/02/Visual-subtraction.jpg>
- Checkmate: http://content.scholastic.com/te-static/media/catalog/product/cache/1/image/9df78eab33525d08d6e5fb8d27136e95/9/7/9780545472456_014.jpg
- Kaboom: <http://pinterest.com/kmcdavid/math-subtraction/>
- Soar to Sky: Doodles by Awesome

Videos:

Videos are from you tube or teacher tube sites.

- More on Floor, Go next door: http://teachertube.com/viewVideo.php?title=Math_Subtraction_With_Regrouping&video_id=261606
- Regrouping: Walk down the Review Lane: <http://www.youtube.com/watch?v=veYFrSC4QYI>
- Watch my buddies teach: http://teachertube.com/viewVideo.php?title=Subtraction_with_Regrouping&video_id=42955
- Look n learn: see the blocks break: http://teachertube.com/viewVideo.php?video_id=128002
- Rock Star: Go next door <http://www.youtube.com/watch?v=wphuh-M6bMg>
- Subtraction rap: <http://www.youtube.com/watch?v=BvsEbrWV00E>
- Move n Grove with Subtraction: <http://www.youtube.com/watch?v=8JS397L9YfM>

Games:

- Choo Choo Train: <http://www.dositey.com/2008/addsub/subra4.htm>
- Math Man, eat the monsters: <http://www.coolmath-games.com/0-math-man/index.html>
- Math Madness- Basketball: <http://www.fuelthebrain.com/Game/play.php?ID=69>
- <http://mnrussbaum.com/draggablemain/index2/>
- www.scweb4free.com/subtr.html

Other

This webquest is made for assisting 2nd grade math students.