

Fun With Fractions

WebQuest Description: Review of skills for reducing (simplifying), multiplying, and adding fractions!

Grade Level: 3-5

Curriculum: Math

Keywords: whole numbers, fractions, percents, numerator, denominator, greatest terms, lowest terms

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WebQuest URL: <http://zunal.com/webquest.php?w=70737>

Introduction

Fun With Fractions? Remember fractions are just an academic (or "adult") way of saying SHARING. YOU DON'T WANT TO EAT THE WHOLE CAKE--DO YOU? You will need to SHARE your cake by cutting the cake into fractions (slices!).

Tasks

I dare you to review your knowledge of fractions! First you'll get to "cheat" and have a quick review of reducing (simplifying), multiplying, and adding fractions with a cool PowerPoint! Then you will complete online activities (with instant results to see how "good" you are) and then have a chance to PROVE your skills!

Process

Materials: Computer, internet access, math journal and/or teacher worksheet.

- Go to <http://math.pppst.com/fractions.html>
- Click on "I double-dare you to understand fractions!"
- Read/Review PowerPoint Presentation.
- At Slide #25 it directs you to hyperlink: <http://www.aplusmath.com/worksheets/fractions.htm> (if this hyperlink does not work, open a new task-bar and type in <http://www.aplusmath.com>).
- On left side click on worksheets.
- Then on the RIGHT side under online worksheets column select fractions.
- Complete tasks:
 - reducing fractions,
 - multiplication,
 - addition
 (Choose 10 practice problems (or more at your teacher's direction) and choose difficulty level: Easy (or different level at your teacher's direction)).
- Look at your results to see if you need MORE PRACTICE!
- Continue with each section (1. reducing fractions, 2. multiplication, 3. addition). READY TO SHOW & TEST YOUR KNOWLEDGE?!
- Stay at the website from your practice (<http://www.aplusmath.com>).
- On left side click on worksheets.
- Then click on the LEFT side for printable worksheets.
- Ask your teacher for a printed worksheet and work the problems. OR, write the problems in your math journal and work the problems. When you are finished click on "View Answers" to check your work. Circle the ones you missed and turn in. <http://math.pppst.com/fractions.html> <http://www.aplusmath.com>

Evaluation

Category and Score					Score
Can simplify fractions to lowest terms.	4	3	2	1	___/4
Understands the difference between whole numbers and fractions.	4	3	2	1	___/4

Category and Score					Score
Can multiply fractions and show answer in lowest terms.	4	3	2	1	___/4
Can add fractions and show answer in lowest terms.	4	3	2	1	___/4
				Total Score	___/16

Conclusion

You took the dare! You practiced and showed what you KNOW about fractions! You can now reduce (simplify) fractions, multiply, and add. See how easy, and fun, fractions can be? And just think...you never HAVE to eat the entire cake. You can share by the use of fractions!

Teacher Page

Teacher Additional Resources:<http://www.ixl.com/math/practice/grade-4-fractions-review>Standards are in

black

and IXL math skills are in blue. Hold your mouse over the name of a skill to view a sample problem.

Click on the name of a skill to practice that skill. (There is also a printable version).Sample shown from Arizona State Standards (this website shows all 50 states):IXL's math skills are aligned to the 2008 Arizona Mathematics Standards Articulated by Grade Level and the 2005 Arizona Early Learning Standards, providing comprehensive preparation for Arizona's Instrument to Measure Success (AIMS). With IXL's state standards alignments, you can easily find unlimited practice problems specifically tailored to each required standard.

Even better, IXL automatically tracks student progress and displays proficiency scores in the state standards reports. These reports allow you to quickly evaluate student aptitude and identify trouble spots.

4.1.1 Understand and apply numbers, ways of representing numbers, and the relationships among numbers and different number systems.

4.1.1.PO 1

Express whole numbers, fractions, decimals, and percents using and connecting multiple representations.

Standards

Credits

Other