



Land Ho!

**(Understanding the relationship
between fractions and decimals.)**

Jason St John, ITI 695, Assignment 1
Omnidoc 2

Docking Station (Navigation Menu)

If you get lost at sea, click the ship to return to the dock.



Fraction Equivalence

Review of prior knowledge with fractions.



Equivalence Matching Game

Fraction equivalence practice.



Tenths and Hundredths

Review of tenths and hundredths.



Fractions and Decimals

Equivalent fractions and decimals.



Skill Check

Practicing our skills from this lesson.

Click down here for help!

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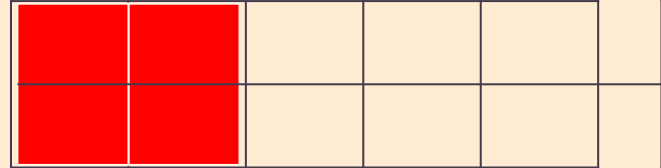




Fraction Equivalence



- Remember that fractions can be equivalent with one another!
- If we draw a tape diagram of $\frac{1}{3}$ and make a horizontal line across, what fraction do we have? $\frac{2}{10}$! We can use multiplication and division for equivalence. What we do to the top we have to do to the bottom, so in this example we multiply $\frac{1}{3}$ by $\frac{2}{2}$ to get $\frac{2}{10}$.
- Example 1: Using multiplication, show how $\frac{1}{3}$ is equivalent to $\frac{3}{9}$
- Example 2: Using division, show how $\frac{10}{20}$ is equivalent to $\frac{1}{2}$.



The shaded area stays the same, but the amount of equal parts increase! If they have the same amount shaded, they are equivalent! Click the shaded area for practice!





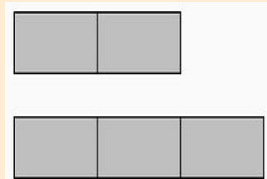
Equivalence Matching Game!



Now for some practice with equivalence!

1. Click the picture of the tape diagram
2. On Game 1, click Level 1
3. One you complete Game 1 Level 1, go to Game 2 Level 1
4. Have fun!

Click Below to Play the Game!
If you beat level 1, try levels 2 and 3!



Remember tenths and hundredths?

Tenths and Hundredths!

- Remember, the tenths place value is the **FIRST** place value after the decimal point.
 - In decimal form, write 3 tenths
 - In decimal form, write 9 tenths
-
- Remember, the hundredths place value is the **SECOND** place value after the decimal point, and right after tenths.
 - In decimal form, write 64 hundredths
 - In decimal form, write 92 hundredths.

Click above if you need more assistance!



Fractions and Decimals can be Equivalent too!



- Decimals can be equivalent to fractions as well!
- We *convert*, or change the form from fractions to decimals, or decimals to fractions!

- For example, $\frac{3}{10}$ is equivalent to 0.3.
- For example, 0.19 is equivalent to $\frac{19}{100}$.

Click over here for practice!



Click over here for MORE practice!



Let's Test our Skills!

Now it's time to test our skills. Watch the video and click the link below before trying the assessment. Once you complete, click on the pirate to take him down! Enter your name and email on the assessment page.

