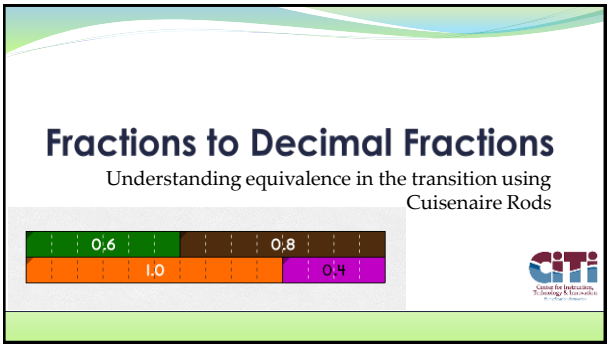
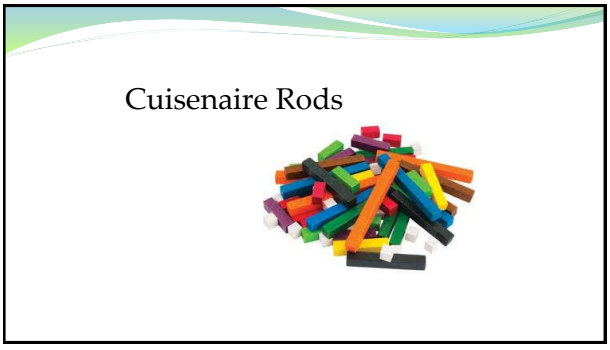
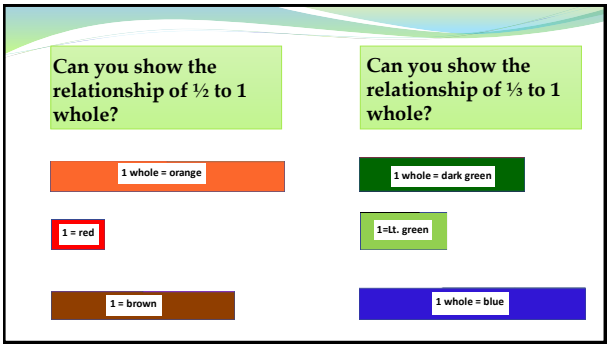


OBJECTIVES/LEARNING TARGET(S)

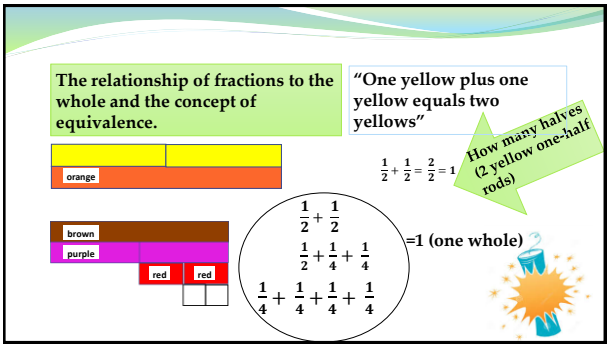
- I can use visual models to show the relationship of fractions to the whole.
- I can use visual models to show equivalence and comparison in size and value of fractions using concrete and symbolic modeling.
- I can use visual models to show equivalence between the decimal and fraction form for a value using Cuisenaire rods.
- I can use modeling to add and subtract decimal fractions in the tenths using Cuisenaire rods.



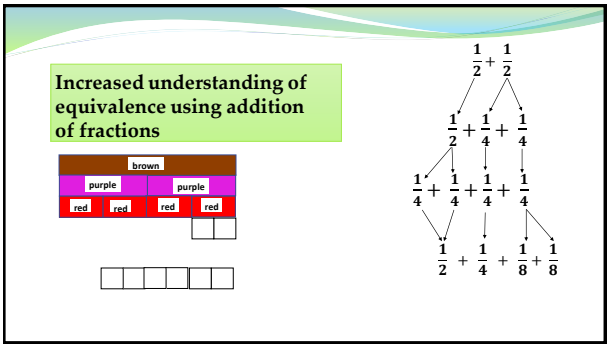
Activity 1



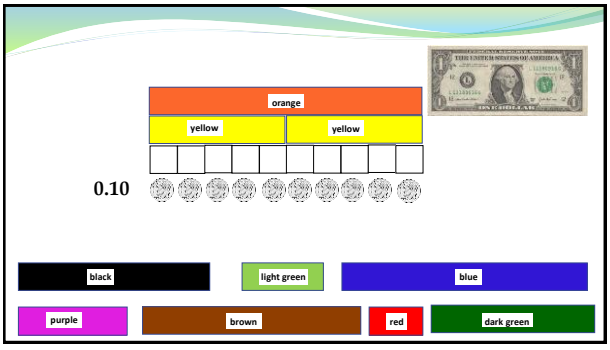
Activity 2



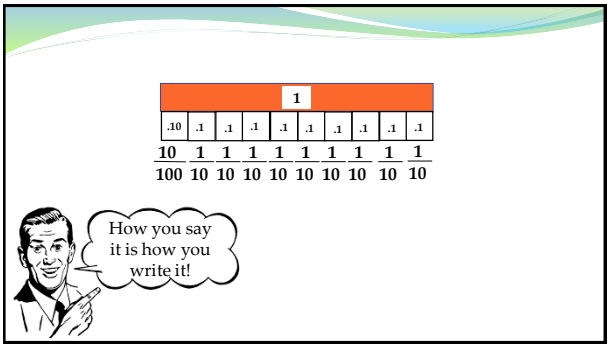
Activity 3

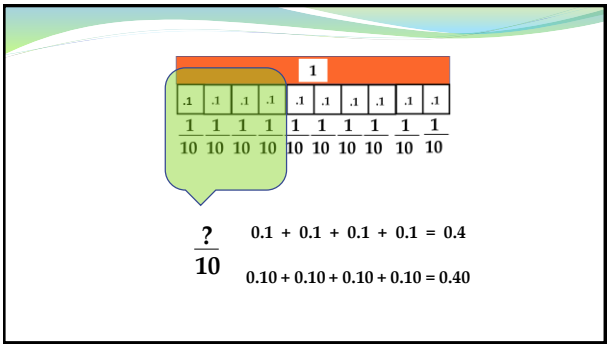


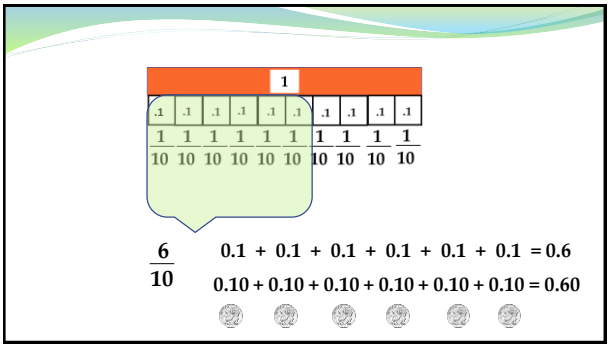
Activity 4

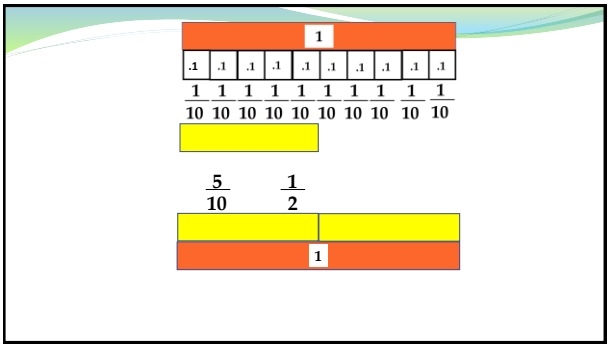


Transition to Decimals

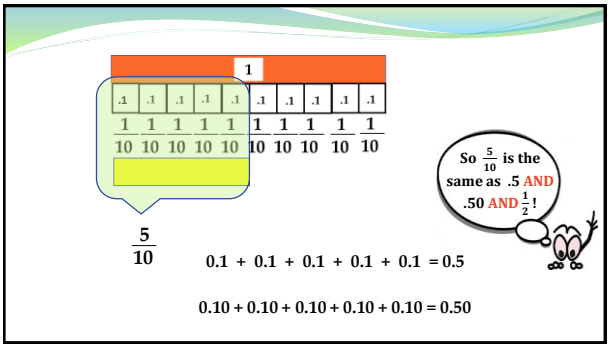


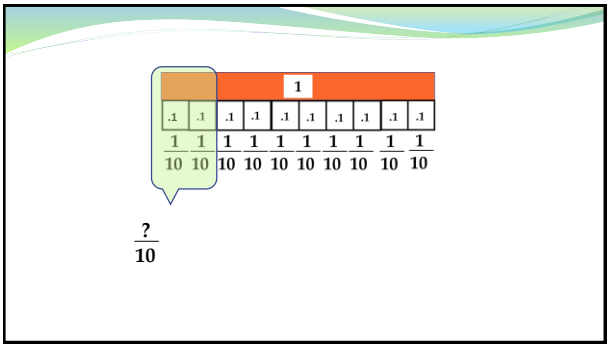



1
.1 .1 .1 .1 .1 .1 .1 .1 .1 .1
1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10
6/10
0.1 + 0.1 + 0.1 + 0.1 + 0.1 + 0.1 = 0.6
0.10 + 0.10 + 0.10 + 0.10 + 0.10 + 0.10 = 0.60


1
.1 .1 .1 .1 .1 .1 .1 .1 .1 .1
1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10
5/10
1/2
1

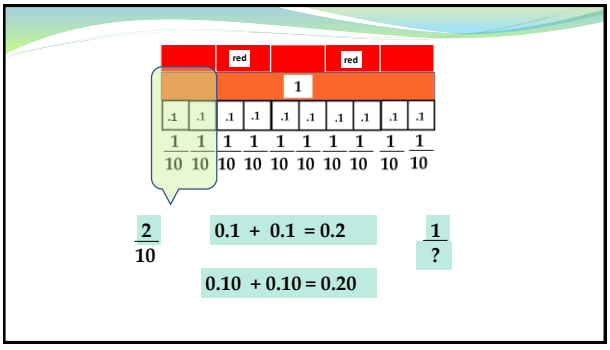
Activity 5

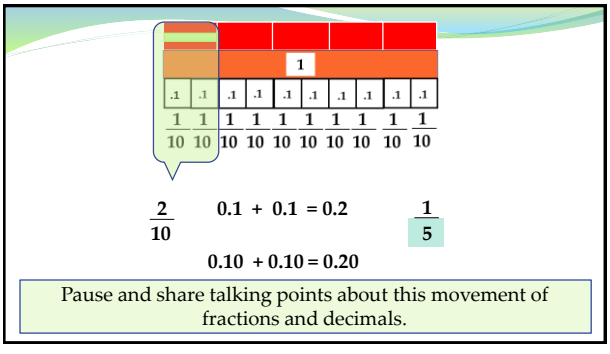

1
.1 .1 .1 .1 .1 .1 .1 .1 .1 .1
1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10
So 5/10 is the same as .5 AND .50 AND 1/2 !
5/10
0.1 + 0.1 + 0.1 + 0.1 + 0.1 = 0.5
0.10 + 0.10 + 0.10 + 0.10 + 0.10 = 0.50

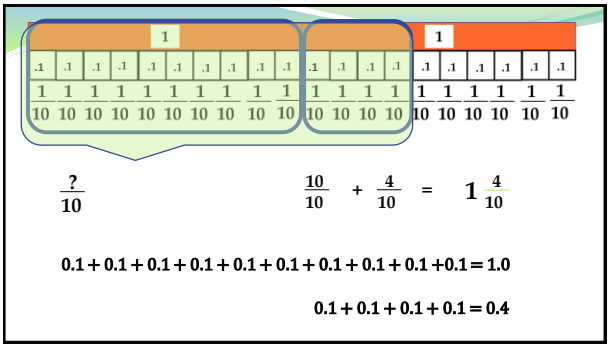


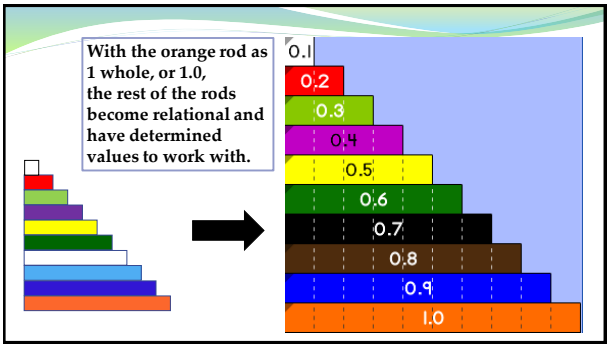
Activity 6

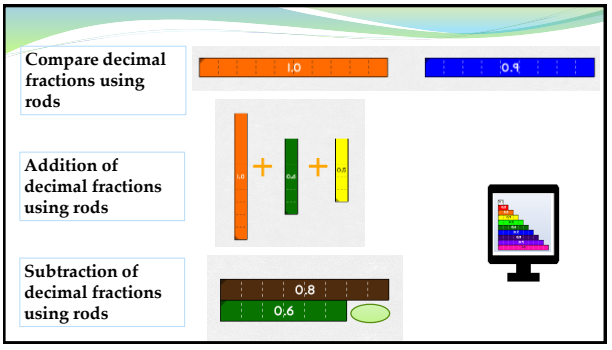
The three slides on this page resemble the changes in the video, so you can watch without making notes. When you see the notice to pause the video, use these slides to help you practice the explanation you might use with a student.






1
1
$\frac{?}{10}$
$\frac{10}{10} + \frac{4}{10} = 1\frac{4}{10}$
0.1 + 0.1 + 0.1 + 0.1 + 0.1 + 0.1 + 0.1 + 0.1 + 0.1 + 0.1 = 1.0
0.1 + 0.1 + 0.1 + 0.1 = 0.4


With the orange rod as 1 whole, or 1.0, the rest of the rods become relational and have determined values to work with.
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0


Compare decimal fractions using rods
1.0
0.9
Addition of decimal fractions using rods
Subtraction of decimal fractions using rods
0.8
0.6

Pause Video-Restart When Ready

Open the website or get paper Cuisenaire Rods to model addition and subtraction along with the presentation.

https://oame.on.ca/CLIPS/swfPlayer.html?swfURL=tools/RelationalRods1.swf&title=Relational%20Rods+