

C2L Math Lesson

Convert common fractions into decimal
fractions of an inch

Next step:

Convert a decimal fraction of an inch
into a decimal fraction of a foot

Specific Objectives:

Engage students to convert the fraction

Students will understand:

- a common fraction of an inch has a “set” value
- how to determine if the “set” value is correct- **Ballpark #**
- the “set” value can be compared to money values - **\$**



Students will be able to:

- Convert the common fraction into a decimal fraction of an inch
- Convert decimal fractions of an inch into decimal fractions of a foot

Problem Situation 1:

- Read math problem to determine what needs to be converted
- Recognize if the fraction is in inches or in feet

Give guidance
to lead students in the right direction

- Show students how money relates to the tape measure

Contextualized Teaching

Relate Prior Money Knowledge to Decimal Fractions



Dollar Bill

- \$ 1.00
- 75 cents
- 50 cents
- 25 cents



Quarters

- 4 quarters
- 3 quarters
- 2 quarters
- 1 quarter



One Inch

- 1
- $\frac{3}{4}$
- $\frac{1}{2}$
- $\frac{1}{4}$



Check Writing

- 00/100
- 75/100
- 50/100
- 25/100

Problem Situation 2:

- Guess-timate (estimate) “set” value
- Label items correctly
 - Feet or inches
- Math steps to convert a common fraction into a decimal fraction
 - Work from top down
 - Ex. $\frac{3}{4}$ inch: 3 divided by 4 = .75”
- Value logical?
 - Too high or too low

“Set” Value - Too Low or Too High

