Comparing Fractions, Decimals: Percents
TO Write a Fraction as a Percent $\rightarrow$ first, write the Fraction w/ a Denominator that is a Power of 10.

A \# that is a ProDUCT of 10 Ex: $10,100,1000,10000$
-can use a 100's grid to REPRESENT ORE WHITE OR $100 \%$

$$
\text { OnE Square }=\frac{1}{100} \text { OR } 1 \% \text { OR } 0.01
$$

A SHaded part of a loos chart ain be represented A SHADED
3 WAYS

| $1 \rightarrow$ PERCENT $\quad 2 \rightarrow$ DECIMAL | $3 \rightarrow$ | FRAction |
| ---: | ---: | ---: |
| $44 \%$ | 0.44 | $\frac{44}{100}$ |

Write Each percent as a decimal And as a fraction.

$$
7 \% \quad 0.07 \quad \frac{7}{100} \quad 7 \frac{1}{4} \% 0.0725 \frac{725}{10,000}
$$

Write each Fraction as a decimal and as a Percent

| $5 / 8$ | $8 \longdiv { 5 0 }$ | $5 / 1000$ | 0.005 |
| :---: | :---: | :---: | :---: |
| 0.625 | $\frac{-48}{20}$ |  | $0.5 \%$ |
| $62.5 \%$ | $\frac{-16}{40}$ |  |  |

To convert Any Fraction to a decimal...


Divide the NuMERator by the denominator.

We can use decimals or percents to compare two test marks when the total marks are different. Liz had $231 / 2$ out of 30 on her first math test. She had $311 / 2$ out of 40 on her second math test. On which test did Liz do better?


