Changing Decimals to Fractions

- You can change a terminating decimal to a fraction by writing the decimal as a number over some power of _____.
- 10, 100, and 1,000 are all powers of 10.
- Let's try it! Write 0.325 as a fraction.
  - 0.325 is read as three hundred twenty-five _____ so the denominator is _____.

- Write 2.48 as a fraction.

Write each decimal as a fraction:

0.125 0.32 1.27 0.35

PERCENTS, FRACTIONS AND DECIMALS

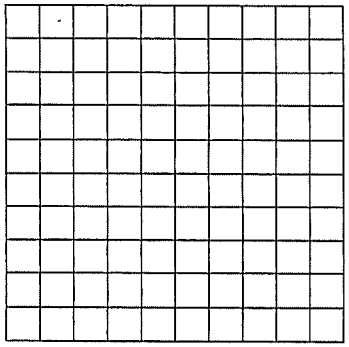
Percents Review:

Write a percent for each situation:

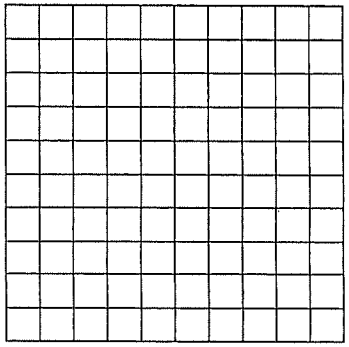
- ☐ 11 students out of 100 are left handed _____
- ☐ 67 days out of 100 days last summer were sunny_____
- ☐ 99 students out of 100 love math class_____

Try It!

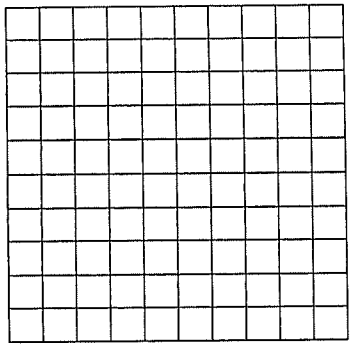
Model 30%



Model $\frac{30}{100}$ Reduce: _____



Model 0.3



What do you notice about the three models?

_____

_____

_____

Writing Percents as Fractions

Write 36% as a fraction in simplest form

Step 1: Write the percent as a fraction with a denominator of 100

Step 2: Write the fraction in simplest form

Write each percent as a fraction in simplest form

25% 66% 4%

Writing Percents as Decimals

Write 36% as a decimal

Option 1: Write the percent as a fraction then divide	**Option 2: Move the decimal point 2 places to the LEFT**

Using either option, write each percent as a decimal:

25% 66% 4%

Writing Decimals as Percents

Write 0.24 as a percent.

Option 1: Multiply the decimal by 100.	**Option 2: Move the decimal point 2 places to the RIGH**

Using either option, write each decimal as a percent:

0.234 1.3323 0.567789