UNIT 6 NAME: DATE: HR:

LESSON 1

UNDERSTANDING PERCENTS

Percents are another way of showing part-to-whole relationships.

READ

"Percent" means "per hundred" or "hundredths." The percent sign % is read "percent." A percent can be understood in several ways.

20% means 20 per hundred, or 20/100.

20/100 can be simplified to 1/5.

A **Write each percent in two ways. Simplify if necessary.**

1. 35%	(x .01) = .35	$\frac{35 \div 5}{100 \div 5}$ =	$\frac{7}{20}$
2. 50%			
3. 75%			
4. 42%			
5. 1%			

READ

Every percent has an equivalent decimal and an equivalent fraction.

To write a percent as a decimal, remove the percent sign and divide by 100. (Add a decimal point two places from the right.) You can also multiply the percent by 0.01.

50% = 0.50 = 0.5 **150% = 1.50 = 1.5** **5% = 0.05** **75.5% = 0.755**

Notice that when a decimal ends in zero, you can drop the zero without changing the meaning. If a decimal has a zero at the beginning, you cannot drop it.

B Change each percent to a decimal.

1. 65% = 65 X .01 = _____
2. 3% =
3. 195% =
4. 200% =
5. 16% =
6. 6% =
7. 85.9% =
8. 4% =
9. 47% =
10. 40% =

READ

To write a decimal as a percent, move the decimal point two places to the right, then add the percent sign.
Add a zero if necessary. You can also think of these steps as multiplying the decimal by 100.

0.6 = 60% **1.8 = 180%** **0.75 = 75%** **0.07 = 7%** **0.912 = 91.2%**

C Write these decimals as percents.

1. 0.67 =
2. 5.2 =
3. 0.02 =
4. 0.3 =
5. 0.561 =
6. 0.625 =
7. 0.9 =
8. 1.54 =
9. 0.04 =
10. 0.12 =