

Name_____ Period_____ Date_____

Percent to Decimal

1. What is a percent?

2. Relating percents to fractions

a. Convert each percent below to a fraction

i. 73%

ii. 32%

iii. 164%

iv. What did you do to convert the percent to a fraction?

b. Convert each fraction below to a percent

i. $\frac{23}{100}$

ii. $\frac{45}{100}$

iii. $\frac{900}{100}$

iv. What did you do to convert the percent to a decimal?

Name_____ Period_____ Date_____

3. Relating fractions to decimals

a. Convert each fraction to a decimal

i. $\frac{23}{100}$

ii. $\frac{87}{100}$

iii. $\frac{45}{100}$

iv. $\frac{73}{100}$

b. Convert each decimal to a fraction. If you're stuck, think about the right way to say a decimal.

i. 0.92

ii. 0.43

iii. 1.12

iv. 0.47

Name_____ Period_____ Date_____

4. Relating percents to decimals. Percent means out of 100. Therefore, 73% means $73/100$.

a. Rewrite each percent below as a decimal

i. 45%

ii. 62%

iii. 97%

iv. 127%

v. 5%

vi. 16.5%

b. Convert each decimal to a percent.

i. 0.92

ii. 0.56

iii. 0.34

iv. 0.06

v. 1.34

vi. 9.00

Name_____ Period_____ Date_____

5. Can you think of a quick trick for converting a percent to a decimal?

6. Can you think of a quick trick for converting a decimal to a percent?

7. Additional Practice. If its a decimal, make it a percent. If its a percent, make it a decimal.

a. 0.45

j. 12%

b. 0.29

k. 34%

c. 0.17

l. 95%

d. 0.754

m. 12.5%

e. 1.56

n. 128%

f. 2.00

o. 300%

g. 3.75

p. 285%

h. 0.04

q. 5%

i. 0.03

r. 8%