

Name _____

Relating Percents and Decimals

R 9-2

Percent means "per hundred." To change between percents and decimals, remember the *rule of 2*.

To write a percent as a decimal, place the decimal point 2 places to the left.

$$45\% = 45.\% = 0.45$$

$$22.5\% = 22.5\% = 0.225$$

To write a decimal as a percent, place the decimal point 2 places to the right.

$$0.7 = 0.70 = 70\%$$

$$0.925 = 0.925 = 92.5\%$$

Can't remember which direction to move the decimal point?

Think: % means hundredths.

Write each percent as a decimal.

1. $60\% = 60.\% =$ _____

2. $40.5\% = 40.5\% =$ _____

3. $95\% = 95.\% =$ _____

4. $8\% = 08.\% =$ _____

5. $55\% =$ _____

6. $24\% =$ _____

7. $120\% =$ _____

8. $34\% =$ _____

9. $10\% =$ _____

10. $100\% =$ _____

Write each decimal as a percent.

11. $0.4 = 0.40 =$ _____

12. $0.099 = 0.099 =$ _____

13. $0.35 = 0.35 =$ _____

14. $1.5 = 1.50 =$ _____

15. $0.76 =$ _____

16. $0.01 =$ _____

17. $0.005 =$ _____

18. $0.99 =$ _____

19. $3 =$ _____

20. $0.03 =$ _____