

Percents and Decimals

 (pages 339–341)

Any decimal can also be written as a fraction. You can use this to express any decimal as a percent.

Writing a Decimal as a Percent	To write 0.32 as a percent, multiply the decimal by 100 and add the percent symbol. So, $0.32 = 0.\overset{\curvearrowright}{32} = 32\%$.
Writing a Percent as a Decimal	To write a percent as a decimal, divide the percent by 100 and remove the percent symbol. $64\% = \overset{\curvearrowright}{64} = 0.64$.

EXAMPLES

A Write 0.72 as a percent.

$0.72 = 72\%$ *Multiply the decimal by 100 and add the percent symbol.*

B Write 57% as a decimal.

$57\% = 0.57$ *Divide the percent by 100 and remove the percent symbol.*

Try These Together

Express each decimal as a percent.

1. 0.25

2. 0.76

HINT: Multiply by 100 and add the percent symbol.

PRACTICE

Express each decimal as a percent.

3. 0.54

4. 0.67

5. 0.1

6. 0.08

7. 0.42

8. 0.17

Express each percent as a decimal.

9. 48%

10. 75%

11. 9%

12. 23%

13. 35%

14. 99.8%

15. 4%

16. 15.1%

17. What decimal is equivalent to 39.5%?

18. Write the percent that is equivalent to 0.652.

19. **Recycling** In a recent year, the aluminum recycling rate was 62.8%. Write this percent as a decimal.

20. **Standardized Test Practice** In the mid-1990s, 48% of the working people in the world were employed in agriculture. How is this percent written as a decimal?

A 0.048

B 48

C 4.8

D 0.48

Answers: 1. 25% 2. 76% 3. 54% 4. 8% 5. 10% 6. 8% 7. 42% 8. 17% 9. 0.48 10. 0.75 11. 0.09 12. 23% 13. 0.35 14. 0.998 15. 0.04 16. 0.151 17. 0.395 18. 65.2% 19. 0.628 20. D