

# REVIEW: Percents and Decimals

Name \_\_\_\_\_

## Key Concept and Vocabulary

$18\% = 0.18$

**Percent to Decimal:**  
Move decimal point to the left 2 places.

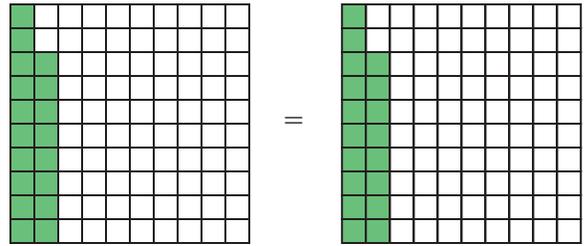


$0.73 = 73\%$

**Decimal to Percent:**  
Move decimal point to the right 2 places.

## Visual Model

$18\% = 0.18$

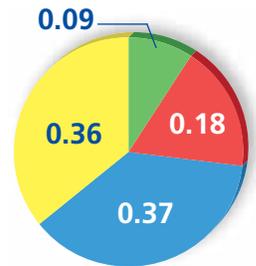


## Skill Examples

- $18\% = 0.18$
- $145\% = 1.45$
- $0.005 = 0.5\%$  (one-half of one percent)
- $0.125 = 12.5\%$

## Application Example

- What percent of the circle graph is represented by the yellow region?



$0.36 = 36\%$



• The yellow region is 36%.

## PRACTICE MAKES PURR-FECT™

Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Write the percent as a decimal.

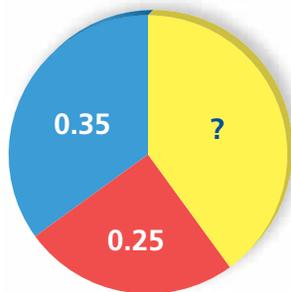
- |                               |                              |                               |                                 |
|-------------------------------|------------------------------|-------------------------------|---------------------------------|
| 6. $20\% = \underline{0.2}$   | 7. $45\% = \underline{0.45}$ | 8. $7\% = \underline{0.07}$   | 9. $32.5\% = \underline{0.325}$ |
| 10. $15\% = \underline{0.15}$ | 11. $1\% = \underline{0.01}$ | 12. $150\% = \underline{1.5}$ | 13. $0.2\% = \underline{0.002}$ |

Write the decimal as a percent.

- |                               |                               |                                 |                               |
|-------------------------------|-------------------------------|---------------------------------|-------------------------------|
| 14. $0.13 = \underline{13\%}$ | 15. $1.4 = \underline{140\%}$ | 16. $0.001 = \underline{0.1\%}$ | 17. $2.5 = \underline{250\%}$ |
|-------------------------------|-------------------------------|---------------------------------|-------------------------------|

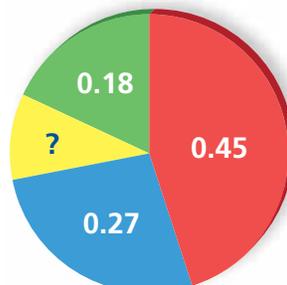
What percent of the circle graph is represented by the yellow region?

18.



40%

19.



10%

20.



26%

- BUDGET** You have set aside two twenty-fifths of your monthly budget for clothing. What percent is this? 8%
- SUMMER SCHOOL** Eighty-seven percent of the students in your class do not plan to attend summer school. What percent of your class plans to attend summer school? 13%