

# REVIEW: Rounding Whole Numbers

Name \_\_\_\_\_

## Key Concept and Vocabulary

round up

Decision digit  
is 5, 6, 7, 8,  
or 9.

round down

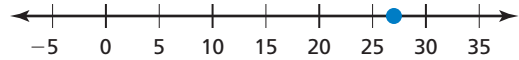
Decision digit  
is 0, 1, 2, 3,  
or 4.

Rounding



## Visual Model

To round to the *nearest ten*, choose the closest multiple of ten.



27 is closer to 30 than to 20. So, 27 rounds to 30.

## Skill Examples

- To the *nearest ten*:  
113 rounds to 110.
- To the *nearest hundred*:  
182 rounds to 200.
- To the *nearest thousand*:  
4506 rounds to 5000.

## Application Example

- An appraiser adds the areas of the rooms in a house and gets 1548 square feet. Estimate this to the nearest ten square feet.  
To the *nearest ten*: 1548 rounds to 1550.



••• The house has about 1550 square feet.

## PRACTICE MAKES PURR-FECT™

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

Round to the nearest ten. (The symbol  $\approx$  means "is approximately equal to.")

5.  $57 \approx$  \_\_\_\_\_      6.  $142 \approx$  \_\_\_\_\_      7.  $345 \approx$  \_\_\_\_\_      8.  $189 \approx$  \_\_\_\_\_

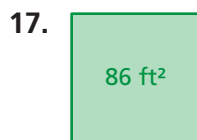
Round to the nearest hundred.

9.  $57 \approx$  \_\_\_\_\_      10.  $142 \approx$  \_\_\_\_\_      11.  $345 \approx$  \_\_\_\_\_      12.  $189 \approx$  \_\_\_\_\_

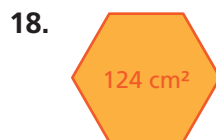
Round to the nearest thousand.

13.  $23,450 \approx$  \_\_\_\_\_      14.  $3623 \approx$  \_\_\_\_\_      15.  $872 \approx$  \_\_\_\_\_      16.  $45,214 \approx$  \_\_\_\_\_

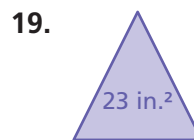
Round the area of the figure to the nearest ten.



Area  $\approx$  \_\_\_\_\_



Area  $\approx$  \_\_\_\_\_



Area  $\approx$  \_\_\_\_\_



Area  $\approx$  \_\_\_\_\_

21. **NATIONAL DEBT** In February of 2009, the national debt for the United States was \$10,770,358,064,879. Round this debt to the nearest billion dollars. \_\_\_\_\_

22. **POPULATION OF TEXAS** To the nearest thousand, the population of Texas was estimated to be 24,327,000 in 2008. Describe the actual population that Texas could have had in 2008.