



SKILL 14: Estimating Percents

To estimate the percent of a number, think of numbers that are close to those given but more convenient to use.

Example 1

Estimate 87.2% of 300.

Think: 87.2% is close to 90%, so find 90% of 300.

$$90\% \times 300 = \frac{9}{10} \times 300 = 270.$$

87.2% of 300 is about 270.

Example 2

Estimate 27% of 41.

Think: 27% is close to 25% and 41 is close to 40, so find 25% of 40.

$$25\% \times 40 = \frac{1}{4} \times 40 = 10$$

27% of 41 is about 10.

Guided Practice

Estimate. Show what numbers you used.

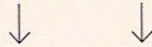
1. 19% of 48



20% of _____

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

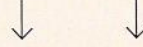
2. 61.5% of 98



_____ of _____

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

3. 76% of 27



_____ of _____

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

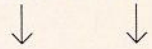
4. 97% of 325



_____ of _____

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

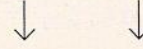
5. 2.2% of 517



_____ of _____

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

6. 32% of 18



_____ of _____

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$