

1.4 Rounding and Estimating

Def. Rounding a number means approximating.

Rounding Rule

- i. Locate the digit to the right of the given place value.
- ii. If this digit is 5 or greater, then add 1 to the digit in the given place value and replace each digit to its right by 0.
- iii. If this digit is less than 5, then replace it and each digit to its right by 0.

Ex 1. Round 325 to the nearest ten.

Ex 2. Round 72,304 to the nearest thousand.

Ex 3. Round 978,965 to the nearest hundred.

Ex 4. In a recent year, there were 48,445 reported cases of chicken pox, 6584 reported cases of mumps, and 15632 reported cases of pertussis (whooping cough). Round each number to the nearest thousand.