Greek Orthodox Patriarchate School
International - Hanina

Unit 1

Name: _____ **Lesson 1.2** **Grade 5A**

Date: _____ **Rounding** **Worksheet (6)**

Objective(s): Round numbers with 2 decimal places to the nearest tenth or whole number.

☞ Rounding is the process of changing a number to the nearest ten, hundred, thousand, or other place value to make it simpler, while keeping its value close to the original number.

It's like finding the "closest easy number" to the one you have.

Example:

- 47 rounded to the nearest ten = 50
- 283 rounded to the nearest hundred = 300

Steps for Rounding Numbers

1. Find the place value you are rounding to (tens, hundreds, thousands, tenths, hundredths etc.).

2. Look at the digit to the right of that place.

3. Decide to round up or down:

- 4 or less, let it rest.
- 5 or more, add 1 more.

4. Change all the digits to the right of the rounding place into zeros.

5. all digits to the left remain the same.

Example: Round 368 to the nearest ten

1. Place value: **tens** (6).
2. Look right → ones place = 8.
3. Since 8 ≥ 5, **round up**.
4. Answer: **370**.

Example: Round 824 to the nearest hundred

1. Place value: **hundreds** (8).
2. Look right → tens place = 2.
3. Since 2 ≤ 4, **round down**.
4. Answer: **800**.

Round the following.

Numbers	nearest ten	nearest hundred	nearest thousand
2,845			
9,761			
15,499			
38,762			
124,875			
234,678			

Rounding Decimals to the Nearest Whole Number

1. **Look at the digit in the tenths place** (the first digit after the decimal point).
2. **Decide to round up or down:**
    - If the tenths digit is **5 or more**, round the whole number **up**.
    - If the tenths digit is **less than 5**, keep the whole number the **same**.
3. **Drop the decimal part** after rounding.

Examples:

- 7.3 → tenths digit is 3 → **round down** → 7
- 12.7 → tenths digit is 7 → **round up** → 13
- 5.5 → tenths digit is 5 → **round up** → 6
- 9.49 → tenths digit is 4 → **round down** → 9

Question: Round the following decimal numbers to the nearest whole number:

1. 8.2 _____
2. 14.7 _____
3. 5.5 _____
4. 19.49 _____
5. 23.8 _____
6. 120.8 _____

Rounding Decimals to the Nearest Tenth

1. **Identify the tenths place** (the first digit after the decimal point).
2. **Look at the digit in the hundredths place** (the second digit after the decimal point).
3. **Decide to round up or down:**
    - If the hundredths digit is **5 or more**, **round the tenths up** by 1.
    - If the hundredths digit is **less than 5**, **keep the tenths the same**.
4. **Drop the hundredths and any digits after**.

Examples:

- 4.36 → hundredths digit = 6 → **round up** → 4.4
- 7.42 → hundredths digit = 2 → **round down** → 7.4
- 12.75 → hundredths digit = 5 → **round up** → 12.8
- 0.84 → hundredths digit = 4 → **round down** → 0.8

Question to Give Students:

Round the following numbers to the **nearest tenth**:

1. 5.67 _____
2. 3.24 _____
3. 9.55 _____
4. 12.48 _____
5. 0.99 _____