LESSON MAKER PRO

Round It Right

Use place value to round decimal numbers.

GRADE 5 · MA.5.NSO.1.5

MA.5.NSO.1.5 "Round multi-digit numbers with decimals to the thousandths to the nearest hundredth, tenth or whole number."

NAME _____ DATE _____

LOOK NEXT DOOR

Find the place you need to round to. Look at the digit immediately to its right. If that digit is 5 or more, increase the rounding digit by 1. If it is 4 or less, keep the rounding digit the same.

WORKED EXAMPLE

Round 62.784 to the nearest tenth.

1. The tenths digit is 7.
2. The digit to the right is 8.
3. Since 8 is 5 or more, increase 7 to 8.

Answer: 62.8

PRACTICE 6 problems

1 Round 9.463 to the nearest hundredth.

ANSWER _____

2 Round 34.158 to the nearest tenth.

ANSWER _____

3 Round 507.499 to the nearest whole number.

ANSWER _____

4 Round 18.675 to the nearest hundredth.

ANSWER _____

5 Round 203.051 to the nearest tenth.

ANSWER _____

6 Round 71.500 to the nearest whole number.

ANSWER _____

APPLY IT Show your work

1 The robotics club measured a course for its robot. The course was 12.846 meters long. Round the length to the nearest hundredth of a meter.

WORK SPACE

ANSWER _____

2 A running app recorded Maya's distance as 2.763 kilometers. Round her distance to the nearest tenth of a kilometer.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Round 149.995 to the nearest hundredth, nearest tenth, and nearest whole number. Explain how carrying changes the number.

WORK SPACE AND ANSWER

ANSWER KEY

Round It Right

GRADE 5 · MA.5.NSO.1.5

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Round 9.463 to the nearest hundredth.	**9.46**
2	Round 34.158 to the nearest tenth.	**34.2**
3	Round 507.499 to the nearest whole number.	**507**
4	Round 18.675 to the nearest hundredth.	**18.68**
5	Round 203.051 to the nearest tenth.	**203.1**
6	Round 71.500 to the nearest whole number.	**72**

PART 2 · APPLY IT

1. **12.85 meters** The hundredths digit is 4, and the thousandths digit is 6. Round the hundredths digit up to 5.
2. **2.8 kilometers** The tenths digit is 7, and the hundredths digit is 6. Round the tenths digit up to 8.

CHALLENGE

Nearest hundredth: 150.00. Nearest tenth: 150.0. Nearest whole number: 150. The 5 makes the hundredths place round up, so carrying changes 149 to 150.

Accept equivalent values, but ask students to show the requested place value when possible, such as 150.00 for the nearest hundredth. In the challenge, accept a clear explanation that the 5 causes carrying across place values.