LESSON MAKER PRO

Decimal Detective

Use place value to round to the nearest hundredth.

GRADE 5 · 5.NR.4.3

5.NR.4.3 "Use place value understanding to round decimal numbers to the hundredths place."

NAME _____ DATE _____

ROUND TO HUNDREDTHS

Find the hundredths digit, which is the second digit to the right of the decimal point. Look at the thousandths digit next. If it is 5 or more, increase the hundredths digit by 1. If it is 4 or less, keep the hundredths digit the same.

WORKED EXAMPLE

Round 18.376 to the nearest hundredth.

1. The hundredths digit is 7.
2. The thousandths digit is 6.
3. Since 6 is 5 or more, increase 7 to 8.
4. Drop the digits after the hundredths place.

Answer: 18.38

PRACTICE 6 problems

1 Round 4.682 to the nearest hundredth.

ANSWER _____

2 Round 9.157 to the nearest hundredth.

ANSWER _____

3 Round 12.409 to the nearest hundredth.

ANSWER _____

4 Round 0.735 to the nearest hundredth.

ANSWER _____

5 Round 23.991 to the nearest hundredth.

ANSWER _____

6 Round 5.004 to the nearest hundredth.

ANSWER _____

APPLY IT Show your work

1 In a racing game, Kai finished a lap in 48.302 seconds. Round Kai's time to the nearest hundredth of a second.

WORK SPACE

ANSWER _____

2 A song for the school talent show lasts 2.675 minutes. Round the song length to the nearest hundredth of a minute.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mina says that 6.254 rounds to 6.26 because the hundredths digit is 5. Is Mina correct? Explain your reasoning.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Detective

GRADE 5 · 5.NR.4.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Round 4.682 to the nearest hundredth.	**4.68**
2	Round 9.157 to the nearest hundredth.	**9.16**
3	Round 12.409 to the nearest hundredth.	**12.41**
4	Round 0.735 to the nearest hundredth.	**0.74**
5	Round 23.991 to the nearest hundredth.	**23.99**
6	Round 5.004 to the nearest hundredth.	**5.00**

PART 2 · APPLY IT

1. **48.30 seconds** The hundredths digit is 0, and the thousandths digit is 2. Since 2 is less than 5, the hundredths digit stays 0.
2. **2.68 minutes** The hundredths digit is 7, and the thousandths digit is 5. Since 5 means round up, 2.675 rounds to 2.68.

CHALLENGE

No. The thousandths digit is 4, so the hundredths digit stays 5, and 6.254 rounds to 6.25.

Require answers rounded to two decimal places, including zeros when needed. Accept explanations that correctly identify the thousandths digit and tell whether the hundredths digit changes.