LESSON MAKER PRO

Decimal Step Moves

Move by tenths and hundredths.

GRADE 4 · MA.4.NSO.2.6

MA.4.NSO.2.6 "Identify the number that is one-tenth more, one-tenth less, one-hundredth more and one-hundredth less than a given number."

NAME _____ DATE _____

TINY DECIMAL CHANGES

To find one-tenth more or less, add or subtract 0.10. To find one-hundredth more or less, add or subtract 0.01. Keep the decimal points lined up.

WORKED EXAMPLE

Find one-tenth less than 12.34.

1. One-tenth is 0.10.
2. Write: 12.34 - 0.10
3. Subtract the tenths.
4. 34 - 0.10 = 12.24

Answer: 12.24

PRACTICE 6 problems

1 Find one-tenth more than 4.56.

ANSWER _____

2 Find one-tenth less than 9.03.

ANSWER _____

3 Find one-hundredth more than 7.8.

ANSWER _____

4 Find one-hundredth less than 15.20.

ANSWER _____

5 Find one-tenth more than 3.47 and one-hundredth less than 3.47.

ANSWER _____

6 Find one-tenth less than 20.05.

ANSWER _____

APPLY IT Show your work

1 A game timer shows 6.45 seconds. A bonus makes the time one-tenth more. What is the new time?

WORK SPACE

ANSWER _____

2 A science club labels a model rocket 14.26 centimeters long. Another label needs to show one-tenth less than that length. What length should it show?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Start with 8.59. Find the number that is one-tenth more, then one-hundredth less. Explain your steps.

_____

_____

ANSWER KEY

Decimal Step Moves

GRADE 4 · MA.4.NSO.2.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find one-tenth more than 4.56.	**4.66**
2	Find one-tenth less than 9.03.	**8.93**
3	Find one-hundredth more than 7.8.	**7.81**
4	Find one-hundredth less than 15.20.	**15.19**
5	Find one-tenth more than 3.47 and one-hundredth less than 3.47.	**3.57 and 3.46**
6	Find one-tenth less than 20.05.	**19.95**

PART 2 · APPLY IT

1. **6.55 seconds** Add 0.10 to 6.45. The new time is 6.55 seconds.
2. **14.16 centimeters** Subtract 0.10 from 14.26. The label should show 14.16 centimeters.

CHALLENGE

8.68. First add 0.10 to get 8.69. Then subtract 0.01 to get 8.68.

Accept decimal answers with an extra zero when the value is the same, such as 7.80 for 7.8. Students may show addition or subtraction vertically or in an equation.