LESSON MAKER PRO

Decimal Line Detectives

Read tenths and hundredths on number lines.

GRADE 4 · TEKS 4.2.H

4.2.H "determine the corresponding decimal to the tenths or hundredths place of a specified point on a number line."

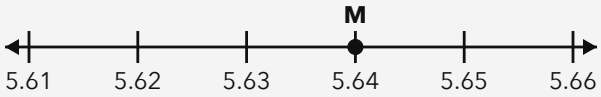
NAME _____ DATE _____

READ THE SPACES

First, look at the labels and count the equal spaces between them. Ten equal spaces in one whole show tenths, and ten equal spaces between two tenths show hundredths.

WORKED EXAMPLE

What decimal is at point M on the number line?

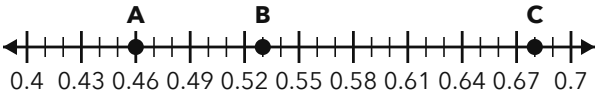


1. Each small interval is 0.01.
2. Point M is 3 intervals after 5.61.
3. 5.61 + 0.03 = 5.64.

Answer: 5.64

PRACTICE 6 problems

1 What decimals are at points A and B on the number line?



ANSWER _____

_____

2 Use the number line in Problem 1. What decimal is at point C?

ANSWER _____

3 What decimals are at points A and B on the number line?



ANSWER _____

_____

4 Use the number line in Problem 3. What decimal is at point C?

ANSWER _____

5 Use the number line in Problem 3. What decimal is at point D?

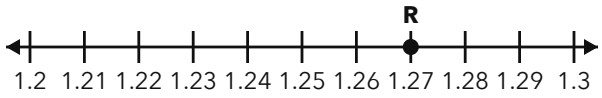
ANSWER _____

6 Use the number line in Problem 3. What decimal is at point E?

ANSWER _____

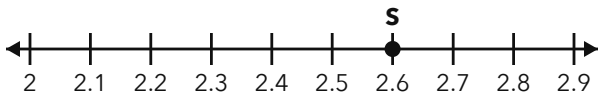
APPLY IT Show your work

1 Jordan is saving a science video file. The number line shows the number of gigabytes saved so far. How many gigabytes has Jordan saved?



ANSWER _____

2 At a school fun run, the number line shows how far Nia has run. How many miles has Nia run?



ANSWER _____

CHALLENGE One step up

Starting at 5.50, a point is 6 hundredths farther to the right. Lena says the point is 5.6. Is Lena correct? Write the decimal at the point and explain your reasoning.

WORK SPACE AND ANSWER

ANSWER KEY

Decimal Line Detectives

GRADE 4 · TEKS 4.2.H

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What decimals are at points A and B on the number line?	**A = 0.46; B = 0.53**
2	Use the number line in Problem 1. What decimal is at point C?	**0.68**
3	What decimals are at points A and B on the number line?	**A = 3.2; B = 3.4**
4	Use the number line in Problem 3. What decimal is at point C?	**3.5**
5	Use the number line in Problem 3. What decimal is at point D?	**3.7**
6	Use the number line in Problem 3. What decimal is at point E?	**3.8**

PART 2 · APPLY IT

1. **1.27 gigabytes** Read point R on the number line. It is at 1.27.
2. **2.6 miles** Read point S on the number line. It is at 2.6.

CHALLENGE

No. The point is 5.56 because 6 hundredths is 0.06, and 5.50 + 0.06 = 5.56.

Accept equivalent decimal forms with extra trailing zeros, such as 3.20 for 3.2. For the challenge, students must identify 5.56 and explain that six hundredths equals 0.06.