LESSON MAKER PRO

Find Your Place

Read and compare positions on a number line.

GRADE 6 · 6.NOS.C.6.b

6.NOS.C.6.b "Locate and interpret the positions of rational numbers on a number line."

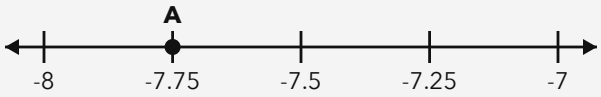
NAME _____ DATE _____

READ THE TICKS

Each tick on a number line is the same distance from the next tick. Numbers increase as you move right and decrease as you move left.

WORKED EXAMPLE

What number is at A?



1. Each tick is 0.25.
2. A is one tick right of -8, so -8 + 0.25 = -7.75.

Answer: A = -7.75

PRACTICE 4 problems

1 Which is farther right, -1.2 or -1.6?

ANSWER _____

2 Write these numbers from left to right: 3/4, -1/4, 0.

ANSWER _____

3 What number is halfway between 0 and 3/4?

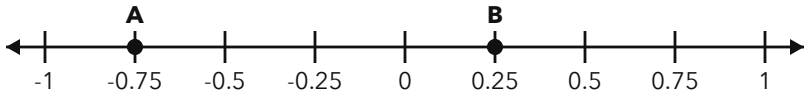
ANSWER _____

4 Which is farther left, -5/4 or -3/4?

ANSWER _____

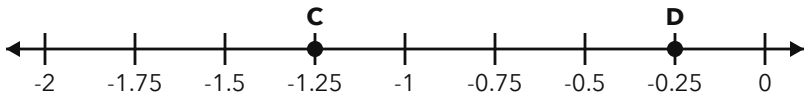
APPLY IT Show your work

1 In a video game, A and B show the power changes from two moves. Which move gives more power, and how much more?



ANSWER _____

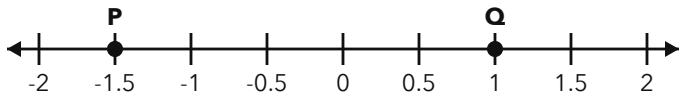
2 A weather app marks the morning temperature at C and the afternoon temperature at D, in °C. How much did the temperature rise?



ANSWER _____

CHALLENGE One step up

A game token moves from P to Q. Where is its halfway position? Explain.



WORK SPACE AND ANSWER

ANSWER KEY

Find Your Place

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Which is farther right, -1.2 or -1.6?	**-1.2**
2	Write these numbers from left to right: 3/4, -1/4, 0.	**-1/4, 0, 3/4**
3	What number is halfway between 0 and 3/4?	**3/8**
4	Which is farther left, -5/4 or -3/4?	**-5/4**

PART 2 · APPLY IT

1. **B gives 1 more power unit.** B is farther right. The difference is 0.25 - (-0.75) = 1.
2. **1°C** The temperature rose from -1.25°C to -0.25°C, a change of 1°C.

CHALLENGE

-0.25. P and Q are 2.5 units apart. Half that distance is 1.25 units, and -1.5 + 1.25 = -0.25.

Accept equivalent fractions or decimals. For the challenge, accept any correct explanation that places the answer the same distance from P and Q.