

4.3 Rational Numbers on the Number Line

Chapter 4: Integers and the Coordinate Plane

Name: _____

Date: _____

Class/Period: _____

Problem 4.33 Between which integers does -4.6 lie?

Problem 4.36 Write -3.625 as a mixed number.

Problem 4.34 Between which integers does $3\frac{7}{10}$ lie?

Problem 4.37 Which is farther right: -1.2 or -1.7 ?

Problem 4.35 Write $-2\frac{1}{4}$ as a decimal.

Problem 4.38 Which is farther left: $-\frac{3}{4}$ or $-\frac{5}{8}$?

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Chapter 4: Integers and the Coordinate Plane

Problem 4.39 A unit is divided into fifths. Name the third tick right of -2 .

Problem 4.42 Write two forms for the point -2.75 .

Problem 4.40 A unit is divided into quarters. Name the first tick right of -5 .

Problem 4.43 Is $-\frac{11}{4}$ the same point as -2.75 ?

Problem 4.41 Plotting from -1 , how many tenth-size steps reach -0.3 ?

Problem 4.44 Explain why $-3\frac{1}{4} > -3\frac{3}{4}$.

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Chapter 4: Integers and the Coordinate Plane

Problem 4.45 The interval from -6 to -5 has 4 equal parts. List the three interior tick values.

Problem 4.47 Two ticks are labeled -1.8 and -0.6 , with four equal intervals between them. Find the two interior tick values nearest -1.8 .

Problem 4.46 The interval from 2 to 3 has 8 equal parts. Which tick represents 2.625 ?

Problem 4.48 Create a number line scale on which $-2\frac{2}{3}$, $-2\frac{1}{3}$, and -2 all land on ticks.