Name _____ Date _____ Period _____

LESSON 7-3 · WARM-UP

Warm-Up Practice

Understand Absolute Value of Rational Numbers

THE MOVE

what this page practices

Report distance on a number line as a positive number

|−9| asks how far −9 is from 0, so the answer is 9. Opposites have the same distance from 0. For two points on opposite sides of 0, add each one's distance from 0 to get the distance between them.

WORKED MODEL

we do this one together

Step 1	How far is it from −4 to 3 on a number line?
Step 2	−4 is _____ units from 0.
Step 3	3 is _____ units from 0.
Step 4	They are on opposite sides of 0, so add: 4 + 3 = _____ units.

YOUR TURN

8 items · about 10 minutes

1. |−9| = _____
ANSWER _____

2. |6| = _____
ANSWER _____

3. How far is −12 from 0? _____
ANSWER _____

4. |−3/4| = _____
ANSWER _____

5. How far is it from −5 to 2 on a number line? _____
ANSWER _____

6. How far is it from −8 to −3 on a number line? _____
ANSWER _____

7. |n| = 10. Name both numbers n could be. _____
ANSWER _____

8. A submarine sits at −60 feet and a gull flies at 25 feet. How far is the submarine from sea level, and how far apart are the submarine and the gull? _____
ANSWER _____