Name _____ Date _____ Period _____

LESSON 2-4 · WARM-UP

Warm-Up Practice

Represent and Describe Data in a Box Plot

THE MOVE

what this page practices

Order a set, find the median, and split it into a lower half and an upper half

Order the numbers and mark the median. Everything below the median is the lower half; everything above it is the upper half. With an odd count the median itself goes in neither half.

Place a number on a scaled number line

Find what one tick is worth, then count ticks from the start. If the number lands between ticks, name the two ticks it sits between.

WORKED MODEL

we do this one together

Step 1	Ordered: 3, 5, 8, 10, 12, 14, 18, 20
Step 2	Eight values, so the median sits between 10 and 12: _____
Step 3	Lower half: 3, 5, 8, 10. Its median is _____
Step 4	Upper half: 12, 14, 18, 20. Its median is _____

YOUR TURN

8 items · about 10 minutes

1. Ordered: 2, 4, 7, 9, 11, 15, 16, 20. Find the median. _____
ANSWER _____

2. Ordered: 1, 3, 6, 8, 12, 14, 15, 19. Find the median of the lower half. _____
ANSWER _____

3. Ordered: 5, 9, 12, 16, 20, 24, 28. Write the lower half. _____
ANSWER _____

4. Ordered: 4, 6, 10, 13, 18, 22, 25, 30, 33. Find the median of the upper half. _____
ANSWER _____

5. A number line runs 0 to 40 with a tick every 5. Between which two ticks does 22 sit? _____
ANSWER _____

6. A number line runs 0 to 100 with a tick every 10. Between which two ticks does 68 sit? _____
ANSWER _____

7. An ordered list of 8 values has a median of 11. Its 4th value is 9. What is its 5th value? _____
ANSWER _____

8. Ten students read for 20, 35, 15, 45, 30, 25, 50, 40, 30, 20 minutes. Order the list, then give the median, the median of the lower half, and the median of the upper half.
ANSWER _____