

Comparing and Ordering Integers

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10 Grade 7 Mathematics

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Objective

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The student will: compare and order integers including finding their approximate locations on a number line.

Integers—Career Areas

- ⑩ Quality control workers compare positive and negative numbers to tell whether a product is within desired limits.
- ⑩ Knowing how to order integers can help you compare historical events.

What will we learn?

10 Concept Map



Concept M

Use a number line

⑩ To compare integers, plot the points on the number line, the number farther to the right is the larger number

⑩ Compare 1 and -3



Since 1 is to the right of -3, $1 > -3$ or

Since -3 is to the left of 1, $-3 < 1$

Use a number line

- ⑩ To order integers from least to greatest, draw a number line and plot the points.
- ⑩ Order the integers -4, 7, 3, -2, and 1 from least to greatest.



Order the integers by reading from left to right.

-4, -2, 1, 3, 7

Example: Statistics

- ⑩ Mars, Venus, and Mercury are the planets most like Earth. Find the median of the temperatures in the chart.

PlanetAverage

Temperature (F)List the temperatures in order

Earth 50from least to greatest.

Mars (day) 72-300, -94, **50**, **72**, 800, 900

Mars (night) -94

Mercury (day) 800 There are 2 middle numbers,

Mercury (night) -30050 and 72. So the median is their

Venus 900average $(50 + 72)$ or 61.

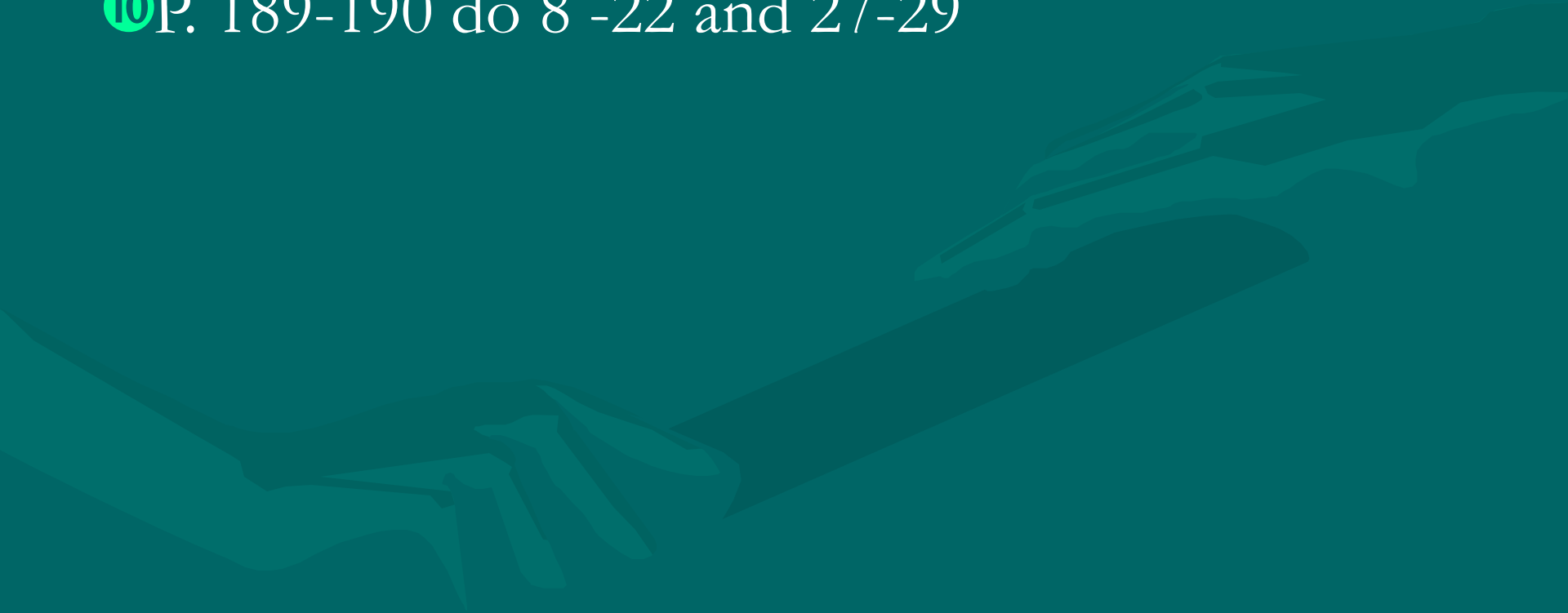
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The median temperature is 61 F.

Assessment

⑩ Practice

⑩ P. 189-190 do 8 -22 and 27-29



Resources/References

- Glencoe Mathematics Applications and Connections Course 2 copyright 2001
- Scott Foresman-Addison Wesley Middle School Math Course 2 copyright 2002