Integers Challenge

6th Grade

Opposites, absolute value and comparing integers · Circle the best answer

Name: _____ Date: _____

Example

The **opposite** of 4 is -4. **Absolute value** is distance from 0: |-4| = 4. On a number line, numbers get **greater** as you move right, so -2 > -6.



1. What is the opposite of -7?

a) 1/7 b) 0 c) -7 d) 7

2. What is |-12| (the absolute value of -12)?

a) -12 b) 0 c) 24 d) 12

3. Which number is greater: -3 or -8?

a) -3 b) -8

c) They are equal d) You cannot compare them

4. At noon it was 4°F. At midnight it was -6°F. Which statement is true?

a) -6°F is warmer than 4°F b) 4°F is colder than -6°F

c) -6°F is colder than 4°F d) The temperatures are equal

5. A diver is 25 feet below sea level. Which integer shows her position?

a) 0 b) 25 c) -25 d) -2.5

6. Which list is in order from least to greatest?

a) 0, -2, -9, 5 b) -2, -9, 0, 5 c) 5, 0, -2, -9 d) -9, -2, 0, 5

7. Which number is NOT an integer?

a) 18 b) 0 c) -4 d) 2.5

8. Which number has the greater absolute value?

a) They are the same b) 0

c) 10 d) -15

9. On a number line, which number is 4 units to the left of 1?

a) 3 b) -3 c) 5 d) -4

10. Which comparison is true?

a) -5 < -1 b) 0 < -1 c) -1 < -5 d) -5 > -1

THE HOMESCHOOL SAFARI © Homeschool Safari® · homeschoolsafari.com · Personal/classroom use only · See Terms of Use

Integers Challenge

ANSWER KEY 6th Grade

Opposites, absolute value and comparing integers · Circle the best answer

1. What is the opposite of -7?

a) 1/7 b) 0 c) -7 **d) 7**

Opposites are the same distance from 0 on opposite sides.

2. What is |-12| (the absolute value of -12)?

a) -12 b) 0 c) 24 **d) 12**

Absolute value is the distance from 0, so it is never negative.

3. Which number is greater: -3 or -8?

a) -3 b) -8

c) They are equal d) You cannot compare them

-3 is to the right of -8 on the number line.

4. At noon it was 4°F. At midnight it was -6°F. Which statement is true?

a) -6°F is warmer than 4°F b) 4°F is colder than -6°F

c) -6°F is colder than 4°F d) The temperatures are equal

Numbers to the left on a number line are less (colder).

5. A diver is 25 feet below sea level. Which integer shows her position?

a) 0 b) 25 **c) -25** d) -2.5

Below sea level is negative; sea level is 0.

6. Which list is in order from least to greatest?

a) 0, -2, -9, 5 b) -2, -9, 0, 5 c) 5, 0, -2, -9 **d) -9, -2, 0, 5**

The farther left a number is, the less it is.

7. Which number is NOT an integer?

a) 18 b) 0 c) -4 **d) 2.5**

Integers are whole numbers and their opposites. 2.5 is not whole.

8. Which number has the greater absolute value?

a) They are the same b) 0

c) 10 **d) -15**

|-15| = 15 and |10| = 10.

9. On a number line, which number is 4 units to the left of 1?

a) 3 **b) -3** c) 5 d) -4

Count 4 units left from 1: 0, -1, -2, -3.

10. Which comparison is true?

a) -5 < -1 b) 0 < -1 c) -1 < -5 d) -5 > -1

-5 is to the left of -1, so -5 is less.

THE HOMESCHOOL SAFARI © Homeschool Safari® · homeschoolsafari.com · Personal/classroom use only · See Terms of Use

THE HOMESCHOOL SAFARI

MORE FROM HOMESCHOOL SAFARI

Thank you for learning with us! There is always another adventure waiting.

Safari Station

Hands-on activities, videos and ideas that make learning at home feel like an adventure.

Lion's Library

Hundreds of printables, games and mini books for PreK through 6th grade, sorted by grade, subject and skill.

Private lessons with a certified teacher

One-on-one support in reading and math, planned around your child and your homeschool.

homeschoolsafari.com · info@homeschoolsafari.com

Terms of Use

THE HOMESCHOOL SAFARI

All digital and printable resources from Homeschool Safari® are owned by Homeschool Safari® and are protected by copyright laws.

PLEASE READ CAREFULLY.

By purchasing, downloading, or using any resource from Homeschool Safari®, you agree to the following Terms of Use.

1. LICENSE TO USE

When you purchase or download a resource from Homeschool Safari®, you are granted a non-transferable, revocable license to download, print, and use the materials solely for personal or educational purposes. You may use the resources within your homeschool, classroom, co-op, or educational program.

2. PERMITTED USE

You may:

- Use the resources with your own children/students.
- Make copies for your own children/students.
- Share the resources with students in your own classroom, co-op, or educational program.
- Reference the resources in blog posts, social media, or presentations with proper credit to Homeschool Safari® and a link to our website.

3. PROHIBITED USE

You may not:

- Share, upload, or distribute the resources to others who have not purchased or obtained them legally.
- Post the resources on any public website, file-sharing site, or cloud storage.
- Copy, modify, alter, or claim the resources as your own.
- Sell, resell, lease, or sublicense the resources (in printed or digital form).
- Remove copyright, watermark, or branding from the resources.
- Use the resources for commercial purposes, including resale or as part of another product or service.

4. COPYRIGHT

All content provided by Homeschool Safari® (including printables, lessons, graphics, text, videos, and digital products) is copyrighted. All rights are reserved. This license does not transfer ownership of the materials to you.

5. MODIFICATIONS

You may not modify, edit, or create derivative works based on our resources for the purpose of sharing, selling, or distributing without written permission from Homeschool Safari®.

6. DIGITAL SECURITY

You may not attempt to bypass, break, or circumvent any security measures on our website or digital products. Violating these terms may result in termination of access and/or legal action.

7. DISCLAIMER

Our resources are provided for educational and informational purposes only. Homeschool Safari® is not responsible for how the materials are used or for any outcomes resulting from their use.

8. CHANGES TO TERMS

We reserve the right to update these Terms of Use at any time. Updates will be posted on this page with the revised date. Continued use of our resources constitutes acceptance of the updated terms.

9. VIOLATIONS

Failure to follow these terms may result in immediate revocation of your license to use our resources and may subject you to legal action.

10. CONTACT

If you have any questions about these Terms of Use, please contact us at:
info@homeschoolsafari.com

BRANDS & COLLABORATIONS



CONNECT WITH US

homeschoolsafari.com

QUESTIONS?

We're here to help!
Email us anytime at
info@homeschoolsafari.com

Thank you for respecting our work and supporting our mission to help families learn, grow, and thrive together.