



Absolute value

GRADE 6 MATH

Name _____

Date _____

Do this on your own — the worked example shows what to do. Final answers in the boxes. One skill: **absolute value**.

WORKED EXAMPLE

$|x|$ = **distance from zero**, never negative. $|-11| = 11$. Remember: with negatives, a greater absolute value goes with a **SMALLER** number ($-60 < -25$, but $|-60| > |-25|$).

1. Find $|-11|$.**FLUENCY**

Show your thinking

Answer

2. Find $|8|$.**FLUENCY**

Show your thinking

Answer

3. Find $|-2/3|$.**FLUENCY**

Show your thinking

Answer

4. Find $|-3.2|$.

APPLICATION

Show your thinking

Answer

5. Which has the greater absolute value: -15 or 9 ? Which is the greater number?

APPLICATION

Show your thinking

Answer

6. A submarine is at -60 m and another at -25 m. Whose depth has the greater absolute value, and which submarine is higher?

APPLICATION

Show your thinking

Answer

7. Explain in your own words why an absolute value can never be negative.

REASONING

Show your thinking

Answer

8. Riley says ‘ -60 is greater than -25 because 60 is farther from zero.’ Explain what Riley got right and what Riley got wrong.

REASONING

Show your thinking

Answer