

ABSOLUTE VALUE DRILL

What is the value of $|8|$?

What is the value of $|-25+4|$?

What are the possible solutions for x : $|x+5|=7$?

How many solutions are there for x in this equation? $|x-5|=-2$

Solutions

8

$|-25+4|$ $|-21|$ 21

Turn $|x+5|=7$ into two equations and solve:

$$\begin{array}{ccc} x+5=7 & \text{and} & x+5=-7 \\ x=2 & & x=-12 \end{array}$$

So the solutions for x are 2 and -12 .

Since an absolute value must give a value that is greater than or equal to zero, there are *no* solutions to this equation.

PSAT Resource Links

PSAT Online Practice Tests: <https://www.crackpsat.net/psat/>

❖ PSAT Reading Practice Tests:

<https://www.crackpsat.net/psat/reading/>

❖ PSAT Writing and Language Tests:

<https://www.crackpsat.net/psat/writing-language/>

❖ PSAT Math Practice Tests:

<https://www.crackpsat.net/psat/math/>

PSAT Real Past Papers Download:

<https://www.crackpsat.net/psat-downloads/>

New SAT Practice Tests:

<https://www.cracksat.net>

ACT Practice Tests:

<https://www.crackacc.com>

AP Exams Practice Tests:

<https://www.crackap.com>

Please visit <https://www.crackpsat.net> for more PSAT exam information and resource.

www.crackpsat.net