

I'm not robot!



# Elementary Math Worksheet

## 8th Grade Math Worksheet

Absolute Value NAME \_\_\_\_\_

Show the absolute value of each number below.

- 1.  $|-2| =$
- 2.  $|-3| =$
- 3.  $|-8| =$
- 4.  $|-10| =$
- 5.  $|-22| =$
- 6.  $|12| =$
- 7.  $|-42| =$
- 8.  $|23| =$
- 9.  $|40| =$
- 10.  $|9| =$



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Name: \_\_\_\_\_ Div: \_\_\_\_\_

1)  $1 \times 9 =$       2)  $1 \times 9 =$   
3)  $1 \times 9 =$       5)  $1 \times 9 =$   
6)  $1 \times 9 =$       8)  $1 \times 9 =$   
9)  $1 \times 9 =$       10)  $1 \times 9 =$   
11)  $1 \times 9 =$       12)  $1 \times 9 =$   
13)  $1 \times 9 =$       14)  $1 \times 9 =$   
15)  $1 \times 9 =$       16)  $1 \times 9 =$   
17)  $1 \times 9 =$       18)  $1 \times 9 =$   
19)  $1 \times 9 =$       20)  $1 \times 9 =$   
21)  $1 \times 9 =$       22)  $1 \times 9 =$   
23)  $1 \times 9 =$       24)  $1 \times 9 =$

**Integers and Graphing**  
Comparing Absolute Value  
Create the Riddle Activity

Name: \_\_\_\_\_

Replace each blank with a + or - to make a true statement to create a riddle. Then, scan the QR Code to answer the riddle.

1 [ 9 ] [ 11 ] < : this > : that	2 [ 0 ] [ -1 ] < : you > : he	3 [ 4 ] [ 5 ] < : she > : you
4 [ 1 ] [ -4 ] < : do > : does	5 [ 12 ] [ 13 ] < : what > : how	6 [ -32 ] [ 100 ] < : sat > : stuck
7 [ -4 ] [ -5 ] < : a > : the	8 [ -43 ] [ -60 ] < : did > : do	9 [ -9 ] [ 18 ] < : will > : won't
10 [ -7 ] [ -75 ] < : anything > : nothing	11 [ -56 ] [ -2 ] < : call > : say	12 [ 17 ] [ 17.1 ] < : need > : want



### Absolute Value Guided Practice

Find the absolute value.

1.  $|4| =$       3.  $|0| =$   
2.  $|-2| =$       4.  $|-10| =$

Find the opposite.

5.  $6 =$       7.  $550 =$   
6.  $-20 =$       8.  $-8 =$

Evaluate each expression.

9.  $|30 + (-4)| =$       11.  $|-4| + |8| =$   
10.  $|-12| - |-2| =$       12.  $|24| - |-9| =$

**Absolute Value Word Problems** Use absolute value to tackle these fun real-world problems! Explore situations like temperature, elevation, and more. Welcome to our Absolute Value Worksheets page. We have a range of worksheets to help you to learn about absolute values and opposite numbers. The absolute value of a number or value is the distance the value is from 0. It is always positive (or can also be zero). For any positive number, the absolute value does not change. For any negative number, the absolute value is also the opposite value of the number. In the example above, we can see that the number 5 is 5 away from 0, so the absolute value of 5 is 5. We can also see that the number -2 is 2 away from 0. So the absolute value of -2 is 2. Examples The absolute value of 10 is 10. We write this  $|10| = 10$ . The absolute value of -2 is 2. We write this  $|-2| = 2$ . The absolute value of -16 is 16. We write this  $|-16| = 16$ . The absolute value of 2.5 is 2.5. We write this  $|2.5| = 2.5$ . The absolute value of  $-\frac{1}{2}$  is  $\frac{1}{2}$ . We write this  $|\frac{-1}{2}| = \frac{1}{2}$ . The absolute value of 0 is 0. We write this  $|0| = 0$ . The opposite value of a number is the number on the opposite side of the number line the same distance from 0. The opposite value of any number n is -n. Also the opposite value of -n is n. In the example above, we can see that the opposite value of 4 is the number which is the same distance from 0 on the opposite side of the number line which is -4. We can also see that the opposite value of -4 is 4. Examples The opposite value of 5 is -5. The opposite value of -5 is 5. The opposite value of 23 is -23. The opposite value of -12 is 12. The opposite value of -3.5 is 3.5. The opposite value of 0 is 0. We have a range of different absolute value worksheets that cater for a range of different levels of ability and age, from 6th grade and upwards. Our worksheets skills include: reading negative numbers on a number line; finding the opposite value of a number; finding the absolute value of a number; comparing absolute values; finding the values of expressions involving absolute values; solving equations involving absolute values. These sheets involve finding absolute values and opposite numbers. They are aimed at 6th graders. The sheets are all of a similar level of difficulty. These sheets involve comparing the values of different expressions involving absolute values and placing the correct symbol (>, < or =) between the two expressions. These sheets are suitable for 6th grade and up. These sheets involve calculating the values of a range of expressions involving absolute values. Sheet 2 is set at a harder level than Sheet 1. These sheets are aimed at 7th grade and up. These sheets involve solving a range of expressions involving absolute values. Sheet 2 is set at a harder level than Sheet 1. These sheets are aimed at 8th grade and up. Take a look at some more of our worksheets similar to these. Our absolute value calculator will find the absolute value of any integer or fraction. Find the Absolute Value Calculator These sheets will help to develop an understanding of factors, multiples and prime numbers. If you are looking for some basic algebra worksheets to use with your child to help them understand simple equations then try our selection of basic algebra worksheets. There are a range of 6th grade math worksheets covering the following concepts: Generate the algebra - and write your own algebraic expressions. Calculate the algebra - work out the value of different expressions; Solve the algebra - find the value of the term in the equation. Our quizzes have been created using Google Forms. At the end of the quiz, you will get the chance to see your results by clicking 'See Score'. This will take you to a new webpage where your results will be shown. You can print a copy of your results from this page, either as a pdf or as a paper copy. For incorrect responses, we have added some helpful learning points to explain which answer was correct and why. We do not collect any personal data from our quizzes, except in the 'First Name' and 'Group/Class' fields which are both optional and only used for teachers to identify students within their educational setting. We also collect the results from the quizzes which we use to help us to develop our resources and give us insight into future resources to create. For more information on the information we collect, please take a look at our Privacy Policy We would be grateful for any feedback on our quizzes, please let us know using our Contact Us link, or use the Facebook Comments form at the bottom of the page. How to Print or Save these sheets Need help with printing or saving? Follow these 3 easy steps to get your worksheets printed out perfectly! How to Print or Save these sheets Need help with printing or saving? Follow these 3 easy steps to get your worksheets printed out perfectly! The Math Salamanders hope you enjoy using these free printable Math worksheets and all our other Math games and resources. We welcome any comments about our site or worksheets on the Facebook comments box at the bottom of every page. Page 2 Welcome to our 2 Digit Multiplication Worksheets page. We have plenty of worksheets on this page to help you practice the skills of multiplying 2-digit numbers by 1 or 2 digits. We have split the worksheets on this page into two sections: 2-digit x 1-digit multiplication (3rd grade) 2-digit x 2-digit multiplication (4th grade) Each section ends with some trickier challenge sheets for more able students. Within each section, the sheets are carefully graded with the easiest sheets first. These sheets are aimed at 3rd graders. Sheets 1 to 4 consists of 15 problems; sheets 5 and 6 consist of 20 problems. Sheets 1 and 2 involve multiplying 2-digit numbers by 2, 3, 4 or 5. Sheets 3 to 6 involve multiplying a 2-digit number by single digit numbers and finding increasing trickier products. These 2-digit multiplication worksheets have been designed for more able students who need that extra challenge! These sheets are aimed at 4th graders. Sheet 1 involves 2-digit by 2-digit multiplication with smaller numbers and answers up to 1000. Sheets 2 to 4 have harder 2-digit numbers to multiply and answers that are generally larger than 1000. These 2-digit multiplication worksheets have been designed for more able students who need that extra challenge! We have more 2-digit multiplication worksheets, including 2-digit x 3-digit multiplication problems on this page. More Double digit Multiplication Worksheets (harder) Take a look at some more of our worksheets similar to these. Need to create your own long or short multiplication worksheets quickly and easily? Our Multiplication worksheet generator will allow you to create your own custom worksheets to print out, complete with answers. Here you will find a range of Multiplication Worksheets to help you become more fluent and accurate with your tables. Using these sheets will help your child to learn their multiplication tables up to 10 x 10; understand and use different models of multiplication; solve a range of Multiplication problems. All the free 3rd Grade Math Worksheets in this section are informed by the Elementary Math Benchmarks for 3rd Grade. Here you will find a range of Free Printable Multiplication Games to help kids learn their multiplication facts. Using these 10 x 10; understand and use different models of multiplication; solve a range of Multiplication problems. All the free 3rd Grade Math Worksheets in this section are informed by the Elementary Math Benchmarks for 3rd Grade. Here you will find a range of 3 easy steps to get your worksheets printed out perfectly! How to Print or Save these sheets Need help with printing or saving? Follow these 3 easy steps to get your worksheets printed out perfectly! The Math Salamanders hope you enjoy using these free printable Math worksheets and all our other Math games and resources. We welcome any comments about our site or worksheets on the Facebook comments box at the bottom of every page. Page 2 In 6th grade math practice you will get all types of examples on different topics along with the step-by-step explanation of the solutions. Keeping in mind the mental level of child in

