

Name: _____ Date: _____

Multiplying Integers

Rule 1: The product of two integers with like signs will be positive.

Rule 2: The product of two integers with different signs will be negative.

Equation	Multiply Absolute Values	Rule Used	Solution
$6 \times 5 = \underline{\quad}$	$ 6 \times 5 = 30 $	1	$6 \times 5 = 30$
$3 \times -2 = \underline{\quad}$	$ 3 \times 2 = 6 $	2	$3 \times -2 = -6$
$-4 \times -8 = \underline{\quad}$	$ 4 \times 8 = 32 $	1	$-4 \times -8 = 32$
$-9 \times 3 = \underline{\quad}$	$ 9 \times 3 = 27 $	2	$-9 \times 3 = -27$

Dividing Integers

Rule 1: The quotient of two integers with like signs will be positive.

Rule 2: The quotient of two integers with different signs will be negative.

Equation	Divide Absolute Values	Rule Used	Solution
$24 \div 6 = \underline{\quad}$	$ 24 \div 6 = 4 $	1	$24 \div 6 = 4$
$15 \div -3 = \underline{\quad}$	$ 15 \div 3 = 5 $	2	$15 \div -3 = -5$
$-30 \div -5 = \underline{\quad}$	$ 30 \div 5 = 6 $	1	$-30 \div -5 = 6$
$-21 \div 3 = \underline{\quad}$	$ 21 \div 3 = 7 $	2	$-21 \div 3 = -7$