

Name _____

Date _____ **ANSWER KEY**

Integer Multiplication and Division Rules

If you multiply or divide two integers with the **same sign**, the answer will be **positive**.

$7 \times 8 = 56$

$-3 \times (-5) = 15$

$36 \div 9 = 4$

$-24 \div (-4) = 6$

If you multiply or divide two integers with **different signs**, the answer will be **negative**.

$6 \times (-2) = -12$

$-8 \times 4 = -32$

$30 \div (-3) = -10$

$-48 \div 8 = -6$

Use integer multiplication and division rules to determine if the answer to each problem will be positive or negative. The first one has been done for you.

-3×2 + -	$-16 \div (-4)$ + -	$5 \times (-6)$ + -	$12 \div (-3)$ + -
$-18 \div 6$ + -	7×9 + -	$-60 \div (-6)$ + -	$-8 \times (-5)$ + -
$13 \times (-33)$ + -	$-250 \div 25$ + -	$-24 \times (-36)$ + -	$-560 \div 8$ + -

Solve each problem. Use integer multiplication and division rules to help!

$-2 \times 5 = \underline{-10}$	$-16 \div (-8) = \underline{2}$	$60 \div (-5) = \underline{-12}$	$11 \times (-1) = \underline{-11}$
$-18 \div (-2) = \underline{9}$	$28 \div (-4) = \underline{-7}$	$7 \times (-8) = \underline{-56}$	$-8 \times 11 = \underline{-88}$
$-70 \times (-3) = \underline{210}$	$-60 \div (-2) = \underline{30}$	$8 \times (-90) = \underline{-720}$	$-80 \div 40 = \underline{-2}$
$300 \div (-6) = \underline{-50}$	$-80 \times 50 = \underline{-4,000}$	$-200 \div 40 = \underline{-5}$	$-70 \times (-60) = \underline{4,200}$