DIVIDING INTEGERS

Worksheet #5

Name: _____ Class: _____

Learning Goal: Students will be able to multiply integers in the form (-a) ÷ (-b) ÷ (c) using proper sign rules.

Example:

$$(-20) \div (-2) \div 5 = 2$$

+	−	−
−	+	−
−	−	+

$(-60) \div (-6) \div 5 = \square$

$(-20) \div (-4) \div 5 = \square$

$(-42) \div (-2) \div 7 = \square$

$(-150) \div (-5) \div (6) = \square$

$(-72) \div (-2) \div 4 = \square$

$(-44) \div (-2) \div 11 = \square$

$(-60) \div (-6) \div 2 = \square$

$(-150) \div (-5) \div 2 = \square$

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Example:

$$(-20) \div (-2) \div 5 = 2$$

$(-60) \div (-6) \div 5 = \square$

(-60) ÷ (-6) ÷ 5 negative ÷ negative = positive

10 ÷ 5 positive ÷ positive = positive

=2

$(-20) \div (-4) \div 5 = \square$

(-20) ÷ (-4) ÷ 5 negative ÷ negative = positive

-5 ÷ 5 positive ÷ positive = positive

=1

$(-42) \div (-2) \div 7 = \square$

(-42) ÷ (-2) ÷ 7 negative ÷ negative = positive

21 ÷ 7 positive ÷ positive = positive

=3

$(-150) \div (-5) \div (6) = \square$

(-150) ÷ (-5) ÷ (6) negative ÷ negative = positive

30 ÷ 6 positive ÷ positive = positive

=5

$(-72) \div (-2) \div 4 = \square$

(-72) ÷ (-2) ÷ 4 negative ÷ negative = positive

36 ÷ 4 positive ÷ positive = positive

=9

$(-44) \div (-2) \div 11 = \square$

(-44) ÷ (-2) ÷ 11 negative ÷ negative = positive

22 ÷ 11 positive ÷ positive = positive

=2

$(-60) \div (-6) \div 2 = \square$

(-60) ÷ (-6) ÷ 2 negative ÷ negative = positive

10 ÷ 2 positive ÷ positive = positive

=5

$(-150) \div (-5) \div 2 = \square$

(-150) ÷ (-5) ÷ 2 negative ÷ negative = positive

30 ÷ 2 positive ÷ positive = positive

=15