Unit 2: Integers

Name: _____

2.2 Multiplying Integers Using Rules

Note: To multiple integers, multiple the numbers together to get the digit of your answer. Use your sign rules to determine the sign of your answer.

Sign Rules:



Examples:

1.
$$(-5) \times (-8) = +40$$

2.
$$(-6) \times (+9) = -54$$

3.
$$(+3) \times (-7) = -21$$

4.
$$(+11) \times (+11) = +12$$

Area Model:

1.
$$(-34) \times (+56) = -190H$$

2.
$$(-125) \times (+24) = -3000$$

	100	20	5
20	100×20	20×20	20x5
	=2000	= 400	= 100
4	100x4	20×4	4x5
	=400	= 80	= 20

Problem:

Brock earns \$24 per day for 10 days for his newspaper route.

He spends \$8 per day for 10 days on school lunches.

How much money does he have left?

earns:
$$(+24) \times (+10) = +240$$

Spends: $(-8) \times (+10) = -80$