

23/19

LESSON 3.2.3

How to multiply integers w/ different signs w/out a calculator.

Multiplying Integers

EX $3(4) = 12$
 ↑ groups of ↑

+ + + +
 + + + +
 + + + +

$3(-4) = -12$
 ↑

adding 3 groups of -4

- - - -
 - - - -
 - - - -

$-3(4) = -12$
 ↑

take away 3 groups of 4

⊖ ⊕ ⊕ ⊕ ⊕ →
 ⊖ ⊖ ⊖ ⊖ ⊖ →
 ⊖ ⊕ ⊕ ⊕ ⊕ →
 ⊖ ⊖ ⊖ ⊖ ⊖ →

$-3(-4) = 12$
 ↑

take away 3 groups of -4

⊕ ⊕ ⊕ ⊕ ⊕ →
 ⊖ ⊖ ⊖ ⊖ ⊖ →
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