

Lesson 2.1: Using Models to Multiply Integers

1. Use integer tiles to find each product.

a) $(+6) \times (-7) =$

b) $(-8) \times (-3) =$

2. Use a number line to find each product.

a) $(+3) \times (-4) =$

b) $(-2) \times (-2) =$

Lesson 2.2: Developing Rules to Multiply Integers

3. a) When is the product of two integers positive?

b) When is the product of two integers negative?

4. Find each product.

a) $(+2)(-9) =$

b) $(-2)(-6) =$

c) $(-1)(+1) =$

d) $(+1)(+5) =$

5. Using an area model find each product.

a) $(-34) \times (-27) =$

b) $(-62)(+11) =$

c) $(+18) \times (-67) =$

d) $(-31)(-52) =$

6. Use these integers: $-1, +6, -8, +3, -2, -5$

a) Which two integers have the greatest product?

b) Which two integers have the least product?

Justify your answers.

7. The ice on Mattias's skating pond melted 2 cm every day for 5 days.
Write an equation using integers to find the change in the depth of the ice after 5 days.