

1.5 Multiplying Whole Numbers and Area

* Multiplying Whole Numbers

Factor \times Factor = Product

$$5 \times 7 = 35$$

$$5 \cdot 7 = 35$$

$$(5) (7) = 35$$

Multiplication symbols: \times , \cdot , $()$

Property of Multiplication	Example
Multiplication Property of 0	
Multiplication Property of 1	
Commutative Property of Multiplication	
Associative Property of Multiplication	

Ex 1. Compute:

a. $15 \times 7 \times 5$

b. 643×128

* Finding Area of a Rectangle

Def. The **area** measures the amount of surface of a region. Area is measured in *square units*.

Formula:

Area of Triangle

Area of Rectangle

Area of Square (length and width are same)

$$A = \frac{1}{2} \cdot b \cdot h$$

$$A = L \times W$$

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Ex 2. A living room is in the shape of a rectangle whose length is 36 feet and whose width is 28 feet. Find the living space (area) of the living room.