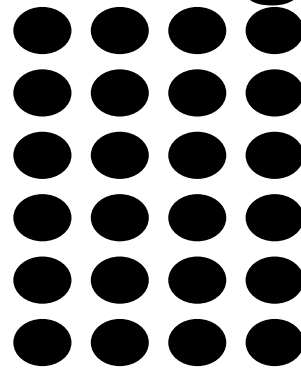
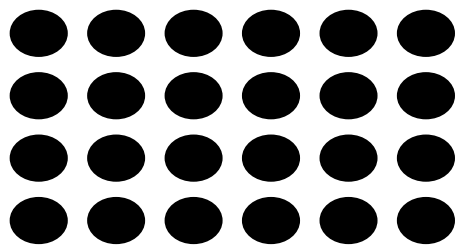


Commutative Property of Multiplication:

The order in which numbers are multiplied does not change the product.



$$4 \times 6 = 6 \times 4$$

Associative Property of Multiplication:

The way in which numbers are grouped does not change their product.

$$(4 \times 2) \times 3 = 4 \times (2 \times 3)$$

$8 \times 3 = 4 \times 6$

Identity Property of Multiplication:

The product of 1 and any number is that number.

$$4 \times 1 = 4$$

Zero Property of Multiplication:

The 0 is multiplied by a number,
the product is 0.

$$4 \times 0 = 0$$

Identity Property of Addition:

If 0 is added to a number, the sum equal that number.

$$4 + 0 = 4$$

Associative Property of Addition:

The way in which numbers are grouped does not change their sum.

$$(4 + 2) + 3 = 4 + (2 + 3)$$
$$6 + 3 = 4 + 5$$

Commutative Property of Addition:

The order in which numbers are added does not change their sum.

$$4 + 3 = 3 + 4$$

Division Rule for 1:

$$4 \div 1 = 4$$

$$4 \div 4 = 1$$

Division Rule for 0:

$$0 \div 4 = 0$$

$$4 \div 0 = \text{impossible}$$