

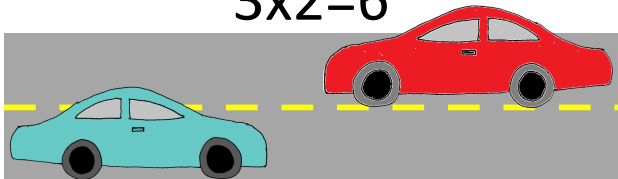
Multiplication Properties

Commutative Property

The factors of a multiplication problem can be reversed and the answer will be the same.

$$2 \times 3 = 6$$

$$3 \times 2 = 6$$



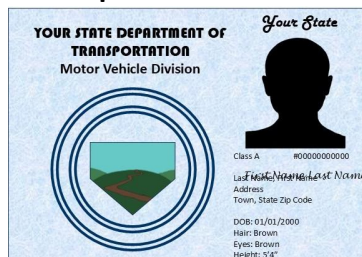
Identity Property

When multiplying one by any other factor, the other factor will be the product.

$$2 \times 1 = 2$$

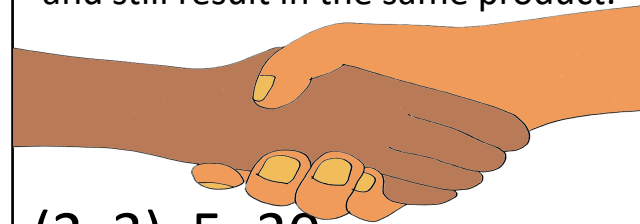
$$1 \times 14 = 14$$

$$568 \times 1 = 568$$



Associative Property

Factors can be grouped in any way and still result in the same product.



$$(2 \times 3) \times 5 = 30$$

$$(5 \times 3) \times 2 = 30$$

$$3 \times (2 \times 5) = 30$$

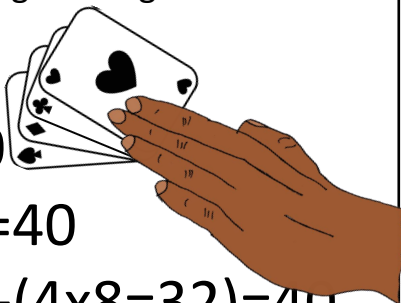
Distributive Property

Multiplying a number by a number that has been broken into smaller numbers results in the same product as multiplying the original number.

$$4 \times 10 = 40$$

$$4 \times (2 + 8) = 40$$

$$(4 \times 2 = 8) + (4 \times 8 = 32) = 40$$



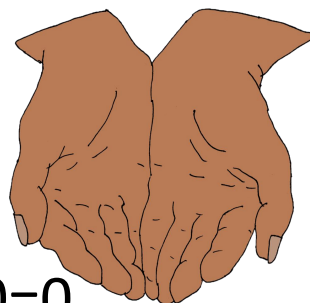
Zero Property

If one factor is zero, the product is zero.

$$5 \times 0 = 0$$

$$0 \times 47 = 0$$

$$674,193 \times 0 = 0$$



Inverse Property

If a number is multiplied by its reciprocal, the answer is always one.

$$\frac{1}{3} \times 3 = 1$$

$$\frac{1}{5} \times 5 = 1$$

$$\frac{1}{8} \times 8 = 1$$



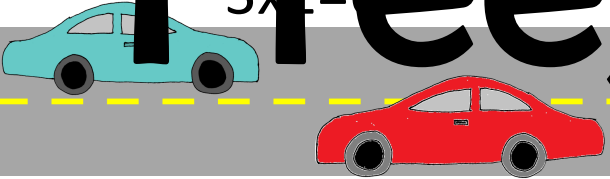
Multiplication Properties

Commutative Property

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$$2 \times 3 = 6$$

$$3 \times 2 = 6$$



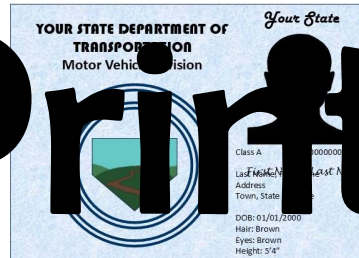
Identity Property

When multiplying one by any other factor, the other factor will be the product.

$$2 \times 1 = 2$$

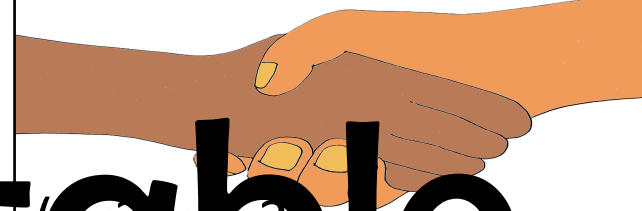
$$1 \times 14 = 14$$

$$568 \times 1 = 568$$



Associative Property

Factors can be grouped in any way and still result in the same product.



$$(2 \times 3) \times 5 = 30$$

$$(5 \times 5) \times 2 = 50$$

$$3 \times (2 \times 5) = 30$$

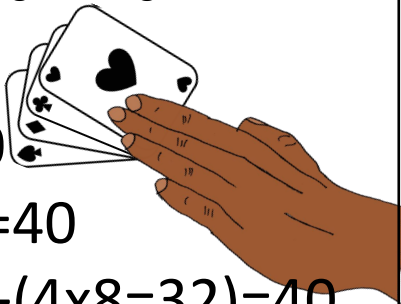
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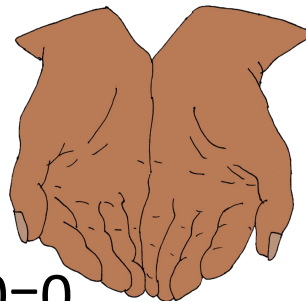
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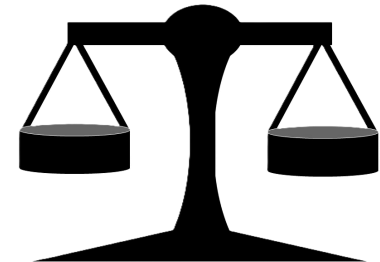
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$$\frac{1}{8} \times 8 = 1$$



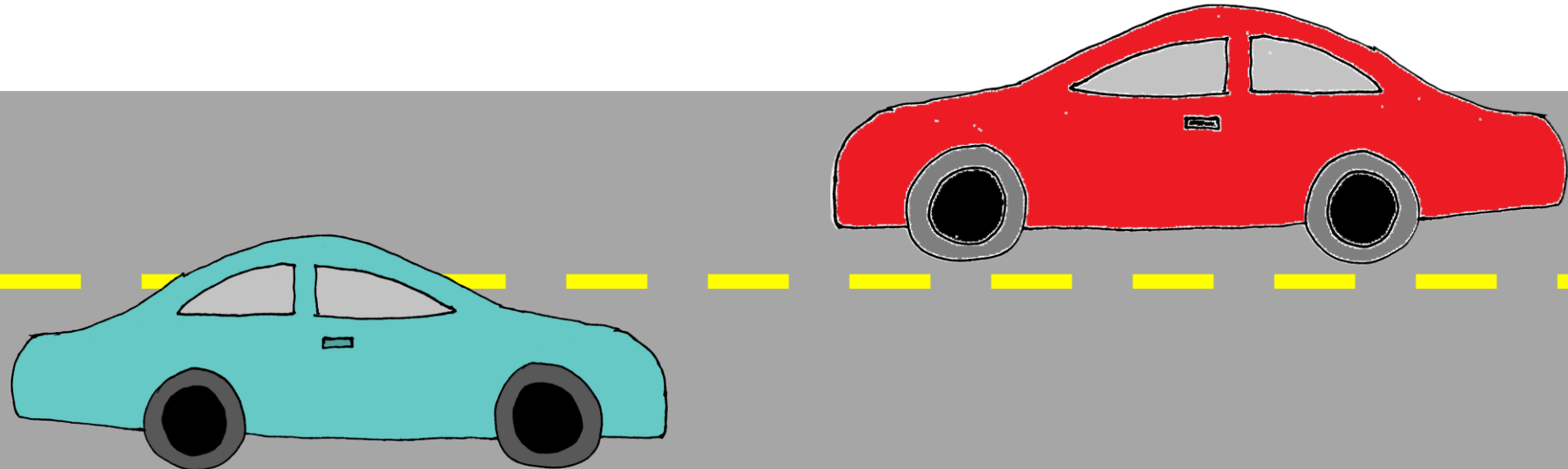
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Commutative Property

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$$3 \times 2 = 6$$



Identity Property

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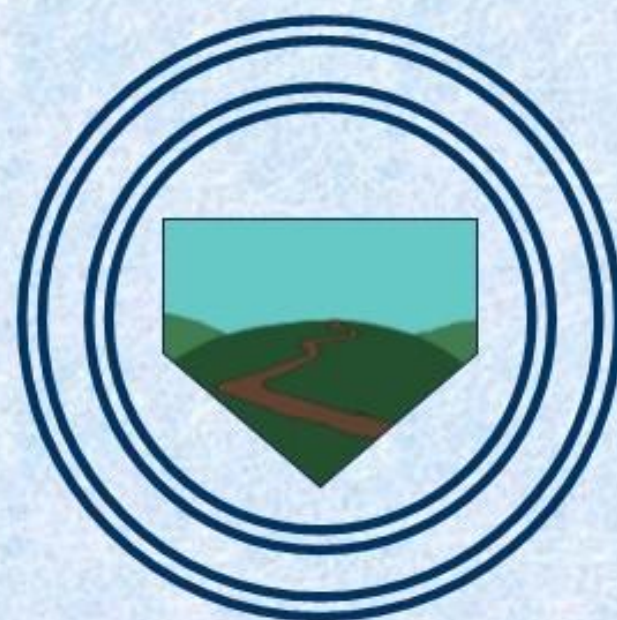

$$2 \times 1 = 2$$

$$1 \times 14 = 14$$

$$568 \times 1 = 568$$

**YOUR STATE DEPARTMENT OF
TRANSPORTATION**
Motor Vehicle Division

Your State



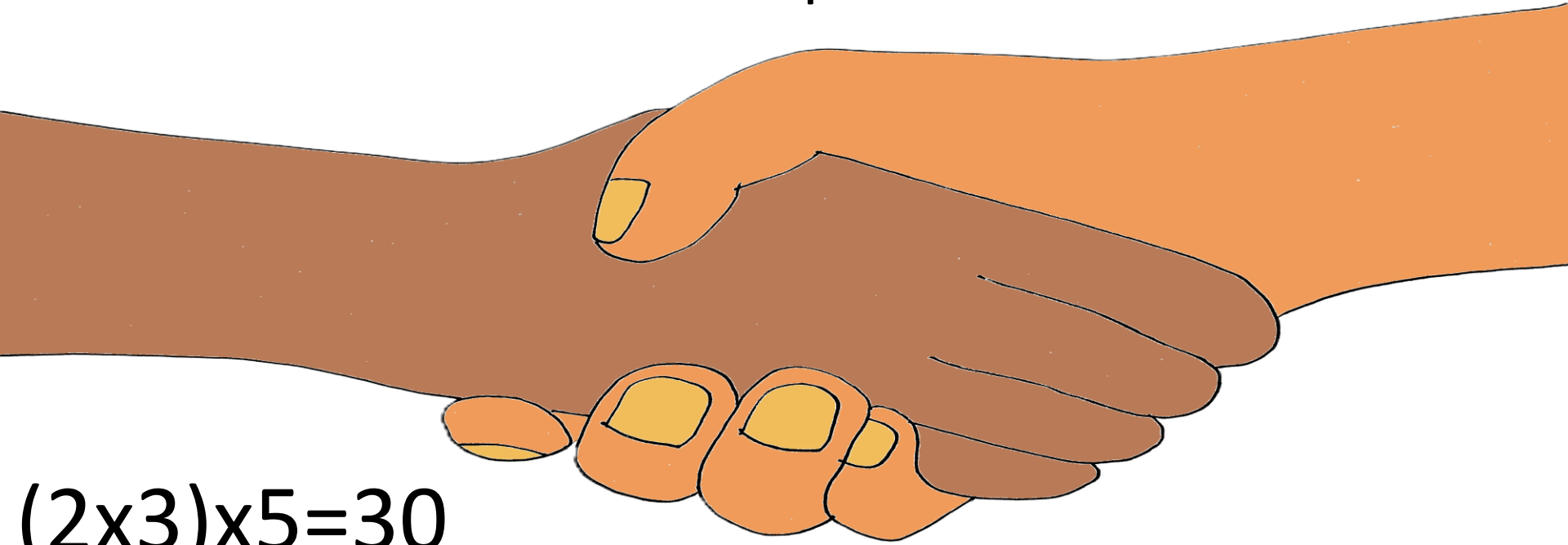
Class A #000000000000

First Name Last Name
Last Name, First Name
Address
Town, State Zip Code

DOB: 01/01/2000
Hair: Brown
Eyes: Brown
Height: 5'4"

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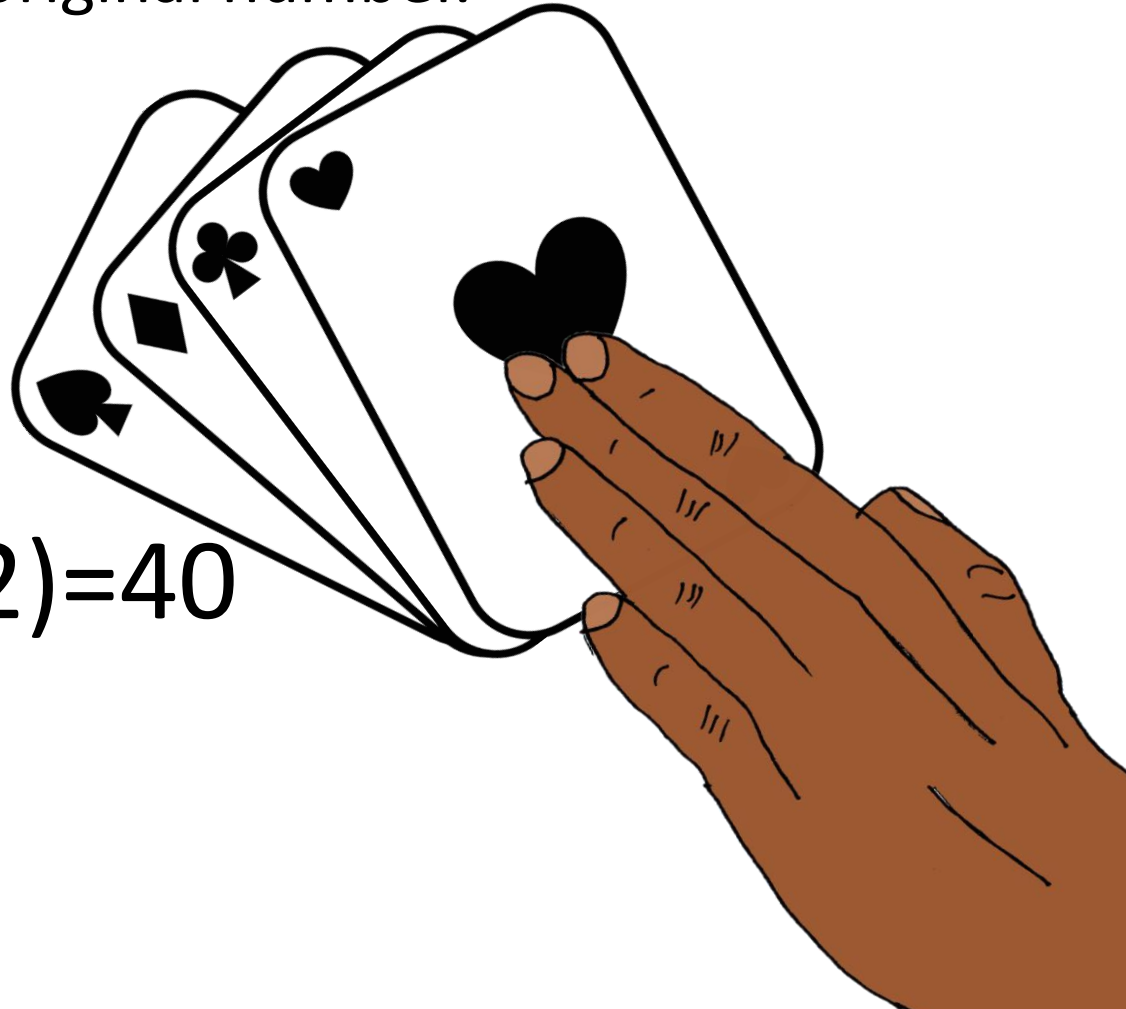
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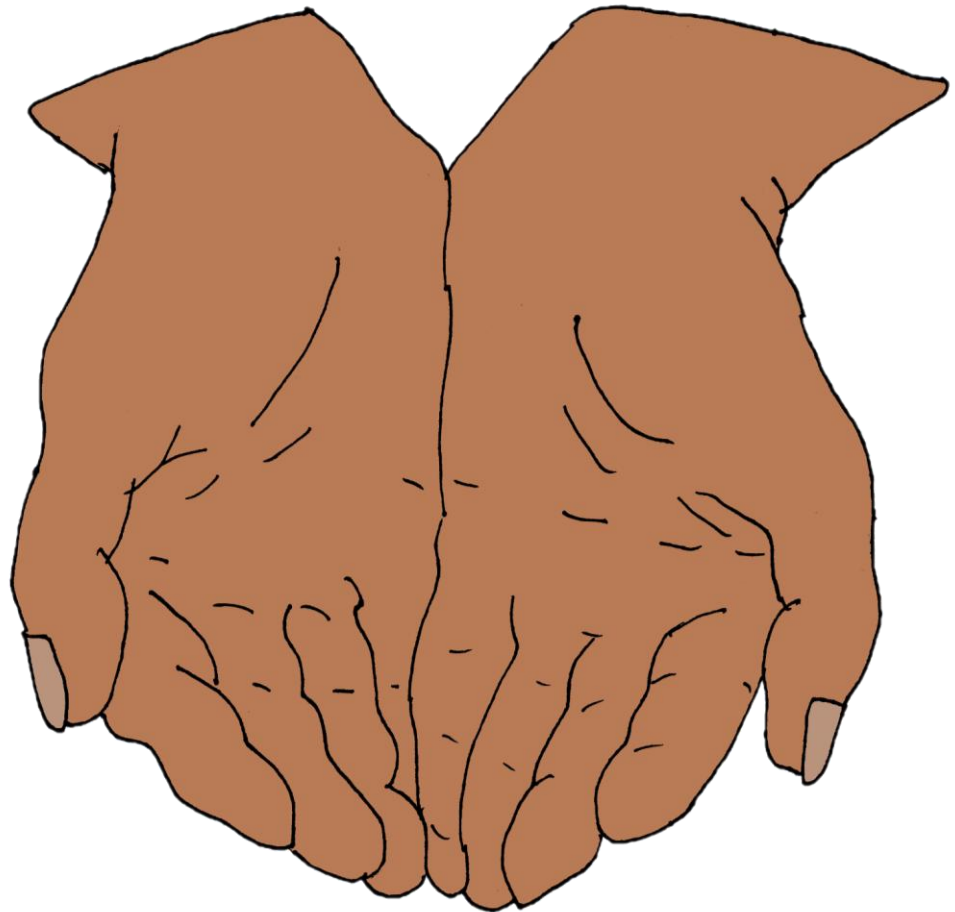
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