

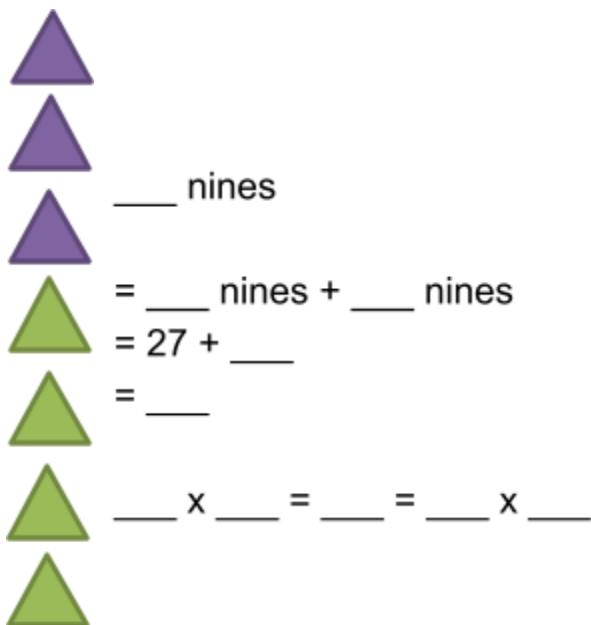
# Commutative & Distributive Assignment

Math 3

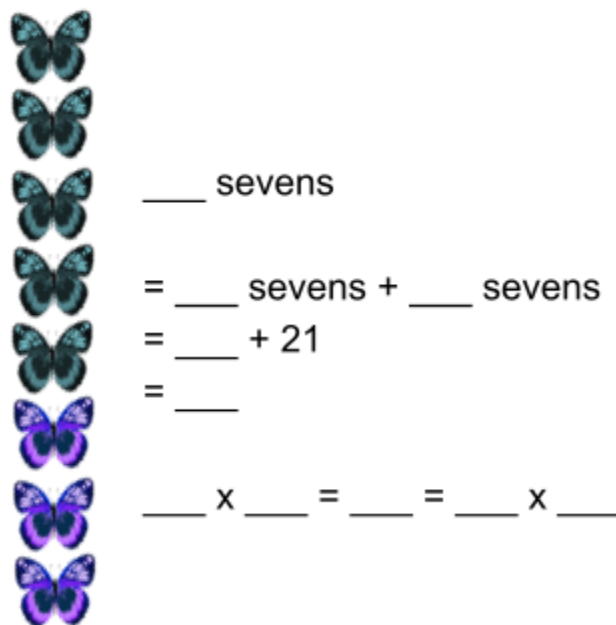
## Part A:

Fill in the blanks to represent the following illustrations.

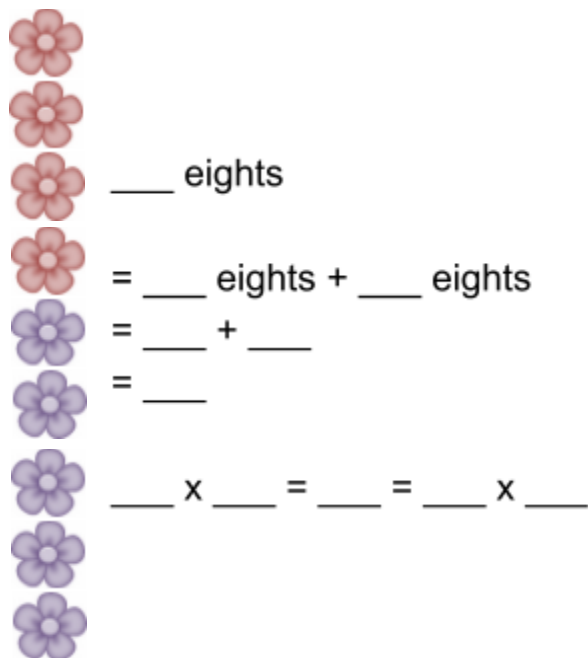
1. Each triangle has a value of 9.



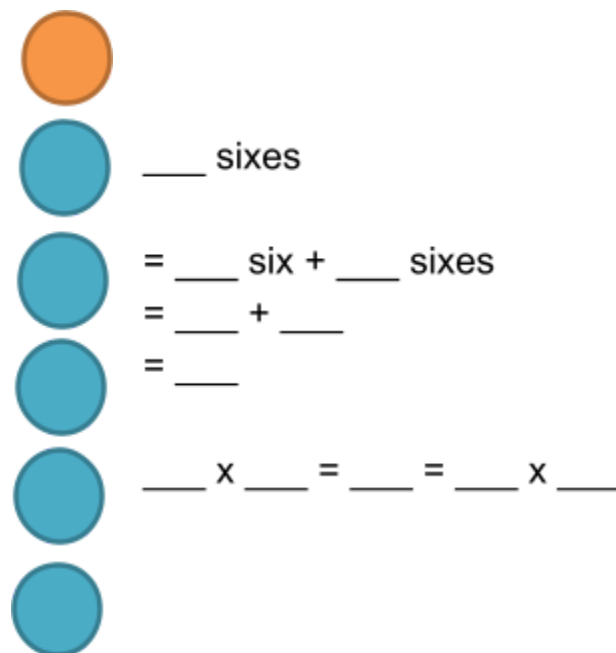
2. Each butterfly has a value of 7.



3. Each flower has a value of 8.



4. Each circle has a value of 6.



Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Commutative & Distributive Assignment

Math 3

### Part B:

Match the expressions to their equivalent counterparts in all three columns.

$$6 \times 8$$

$$2 \times 6 + 6$$

$$9 \times 4$$

$$7 \times 4$$

$$2 \times 8 + 8$$

$$5 \times 6$$

$$9 \times 5$$

$$5 \times 7 + 7$$

$$4 \times 7$$

$$3 \times 6$$

$$5 \times 5 + 5$$

$$7 \times 6$$

$$6 \times 7$$

$$3 \times 7 + 7$$

$$3 \times 8$$

$$4 \times 9$$

$$5 \times 8 + 8$$

$$5 \times 9$$

$$8 \times 3$$

$$3 \times 9 + 9$$

$$6 \times 3$$

$$6 \times 5$$

$$4 \times 9 + 9$$

$$8 \times 6$$

### Part C:

**Commutative & Distributive** Assignment**Math 3**

Fill in the blanks to get the answer to the expression. Build up from fives facts.

1. 8 sevens =  $8 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$  sevens +  $\underline{\hspace{1cm}}$  sevens  
=  $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$   
=  $\underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$

2. 6 nines =  $6 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$  nines +  $\underline{\hspace{1cm}}$  nine  
=  $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$   
=  $\underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$

3. 7 sixes =  $7 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$  sixes +  $\underline{\hspace{1cm}}$  sixes  
=  $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$   
=  $\underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$

4. 8 fives =  $8 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$  fives +  $\underline{\hspace{1cm}}$  fives  
=  $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$   
=  $\underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$

5. 9 eights =  $9 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$  eights +  $\underline{\hspace{1cm}}$  eights  
=  $(\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$   
=  $\underline{\hspace{1cm}} + \underline{\hspace{1cm}}$   
=  $\underline{\hspace{1cm}}$

**Part D:**

Answer the following word problems by distributing first into fives facts.

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## **Commutative & Distributive** Assignment

**Math 3**

1. Justin wants to buy 6 pieces of lollipops. Each lollipop costs 7 dollars. How much is the total of 6 lollipops?
2. Dorothy wants to organize her books. She put 8 books in each shelf she has. She has 6 shelves. How many books did she organize?
3. Timmy counted 9 rows of 7 oranges. How many oranges are there? Draw the array model.