

$$3+5=8$$

$$5+3=8$$

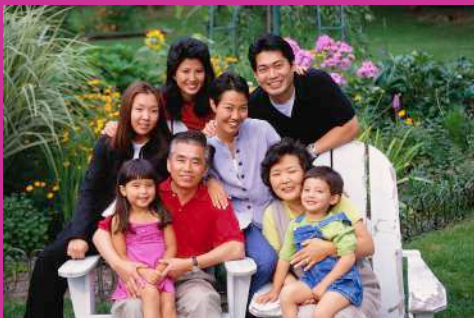
Fact Families

$$4+2=6$$

$$2+4=6$$

■ We are family!

- An introduction to fact families



Welcome



This virtual lesson will teach you all about fact families.

It is meant to be a collaborative effort between student and parent.



Before you begin, you will need to print out the provided work page, by clicking on the icon below. Have your child use this page to record their work as necessary throughout the lesson.

Right click on icon, go to document object and open.

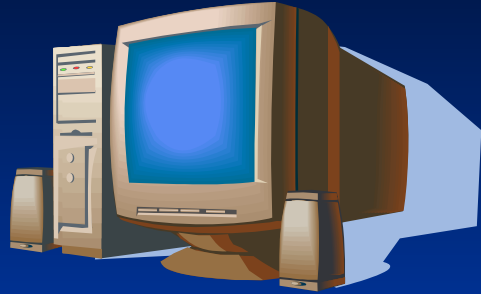


Microsoft
Document



At the end, you will need to complete the assessment provided and email it to me.

For Parents:



ODE Mathematics standards met by this lesson:

Grade 1

-Number, number sense and operational standard.

-Model, represent and explain addition as (part +part= whole), and subtraction as take-away and comparison.

-Write number sentences to represent addition and subtraction

Technology goals your child will be working on; ODE technology standards and benchmarks.

Standard 3- Technology for productivity applications

B. Demonstrate operation of basic computer and multimedia technology tools.

Standard 4- Technology and communication applications.

C. Participate in group projects and learning activities using technology communications.

Let's Begin: Try This

These are parts and total boxes. We have used these before.

—	
3	4

10	
6	—

What is the missing part?

How about the missing total?

Click to see if you are correct.

See if you're right!

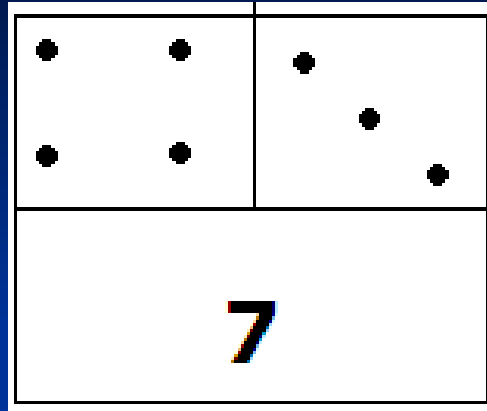
10	
6	4

$$10 - 6 = 4$$

$$3 + 4 = 7$$

7	
3	4

Now let's try some dominoes



What 3 numbers go with this domino?

- Move to the next slide to check your work!!!

_____, _____, _____.

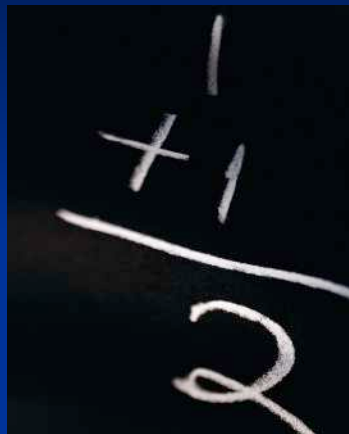
If you said.....

4, 3, 7

You are right!



Now.... What 2 addition models can you make with these 3 numbers?



$$\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

and

$$\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

Move to the next slide to see if your right!!!

If you said.....

$$\underline{4} + \underline{3} = \underline{7}$$

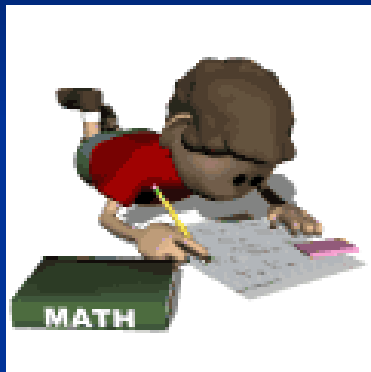
and

$$\underline{3} + \underline{4} = \underline{7}$$

You are right!!!



Ok...What 2 subtraction models can
you make using these same 3
numbers?



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

and

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Move to the next slide to see if your
right!!!

If you said.....

$$\underline{7} - \underline{3} = \underline{4}$$

and

$$\underline{7} - \underline{4} = \underline{3}$$

You are right!!!



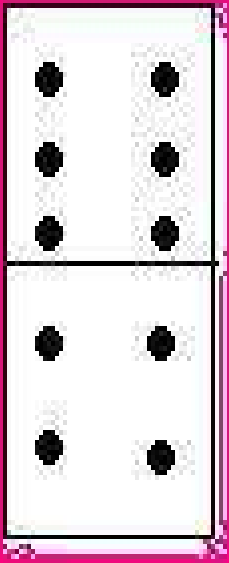
What is a fact family?

Addition and subtraction facts that can be written using the three domino numbers make up a fact family. Fact families show the relationship between addition and subtraction.



Now practice what you've learned..

Use this domino.



What 3 numbers are represented by this domino?

_____, _____, _____

What is the fact family for this domino?

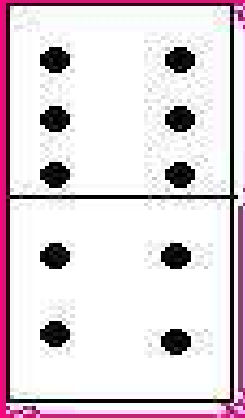
$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

Check to see if your right....



The top part is 6.

The bottom part is 4.

The total of all dots is 10.

$$\underline{6}, \underline{4}, \underline{10}$$

$$\underline{6} + \underline{4} = \underline{10}$$

$$\underline{4} + \underline{6} = \underline{10}$$

$$\underline{10} - \underline{6} = \underline{4}$$

$$\underline{10} - \underline{4} = \underline{6}$$

Last but not least.....

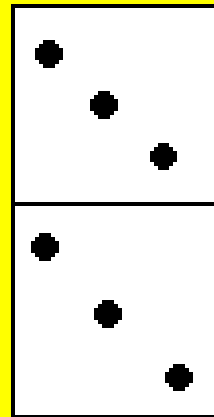
All fact families are made up of 2 addition and 2 subtraction math facts.....with the exception of doubles facts.

For example the domino here:

$$3 + 3 = 6$$

$$6 - 3 = 3$$

This is the fact family.



Extra practice websites

Mathcats

Funschool

Aplusmath-concentration

Aplusmath- addition matho

Aplusmath- flashcards addition

Aplusmath- flashcards subtraction

Fact family practice

Coolmath



Assessment

Now that you have learned all about fact families you can do this:



Assessme

Right click on icon go to document object and open.

Upon completion, please e-mail this to skaufmann@berea.k12.oh.us