

HOME LINK
2•1**Fact Families and Number Families****Family Note**

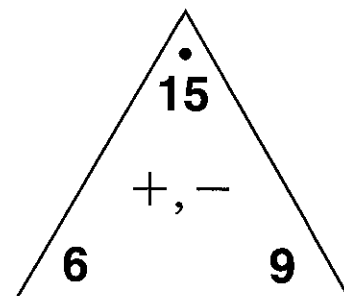
Work on fact and number families by focusing on related addition and subtraction facts. For example, $7 + 5 = 12$, $5 + 7 = 12$, $12 - 7 = 5$, and $12 - 5 = 7$.

Please return this Home Link to school tomorrow.

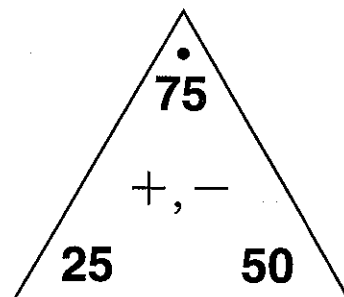


Show someone at home how to use a Fact Triangle.

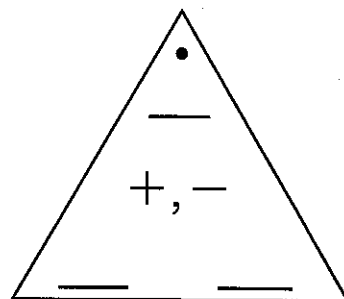
1. Write the fact family for the numbers 9, 6, and 15.
Write two addition and two subtraction facts.



2. Write the number family for 25, 50, and 75.



3. Make up one more fact family or number family and write it below.

**Practice**

Solve.

4. $8 + 2 =$ _____

5. $5 + 7 =$ _____

6. _____ $= 0 + 4$

7. _____ $= 1 + 9$

Unit

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2•2**Fact Extensions****Family Note**

Knowing basic facts, such as $6 + 7 = 13$, makes it easy to solve similar problems with larger numbers, such as $60 + 70 = 130$. Help your child think of more fact extensions to complete this Home Link.

Please return this Home Link to school tomorrow.



Write the answer for each problem.

1. I know:	$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$	This helps me know:	$\begin{array}{r} 19 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 69 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 99 \\ + 7 \\ \hline \end{array}$
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2. I know:	$\begin{array}{r} 8 \\ + 4 \\ \hline \end{array}$	This helps me know:	$\begin{array}{r} 18 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 278 \\ + 4 \\ \hline \end{array}$
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3. I know:	$\begin{array}{r} 15 \\ - 7 \\ \hline \end{array}$	This helps me know:	$\begin{array}{r} 35 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 105 \\ - 7 \\ \hline \end{array}$
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4. I know:	$\begin{array}{r} 13 \\ - 8 \\ \hline \end{array}$	This helps me know:	$\begin{array}{r} 23 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 123 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 483 \\ - 8 \\ \hline \end{array}$
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5. I know:	$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$	This helps me know:	$\begin{array}{r} 60 \\ + 70 \\ \hline \end{array}$	$\begin{array}{r} 600 \\ + 700 \\ \hline \end{array}$	$\begin{array}{r} 6,000 \\ + 7,000 \\ \hline \end{array}$
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Make up another set of fact extensions.

6. I know:	$\begin{array}{ c } \hline \square \\ \hline \square \\ \hline \end{array}$	This helps me know:	$\begin{array}{ c } \hline \square \\ \hline \square \\ \hline \end{array}$	$\begin{array}{ c } \hline \square \\ \hline \square \\ \hline \end{array}$	$\begin{array}{ c } \hline \square \\ \hline \square \\ \hline \end{array}$
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“What’s My Rule?”**Family Note**

You can find an explanation of function machines and “What’s My Rule?” tables on pages 202–204 in the *Student Reference Book*. Ask your child to explain how they work. Help your child fill in all the missing parts for these problems.

Please return this Home Link to school tomorrow.



Practice facts and fact extensions. Complete the “What’s My Rule?” problems. Make up problems of your own for the last table.

1.

in	out
14	
7	
12	
15	
10	
21	

2.

in	out
7	
	18
37	
	86
49	

3.

in	out
70	100
20	
	60
90	120
50	

4.

in	out

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Parts-and-Total Number Stories

**Family Note**

Today your child learned about a diagram that helps organize the information in a number story. We call it a *parts-and-total diagram*. For more information, see pages 256 and 257 in the *Student Reference Book*.

Please return this Home Link to school tomorrow.



For each problem, write ? for the number you want to find. Write the numbers you know in the diagram. Then write the answer and a number model. Finally, write how you know that each answer makes sense.

1. Marisa read her book for 25 minutes on Monday and 30 minutes on Tuesday. How many minutes in all did she read?

Answer the question: _____ (unit)

Number model: _____

Check: How do you know your answer makes sense?

Total	
Part	Part

2. The second graders collected 300 cans to recycle. The third graders collected 400 cans. What was the total number of cans they collected?

Answer the question: _____ (unit)

Number model: _____

Check: How do you know your answer makes sense?

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Change Number Stories

**Family Note**

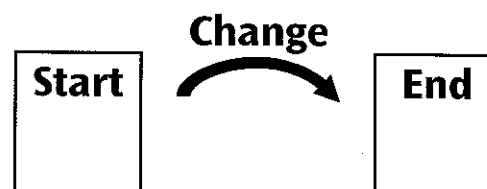
Today your child learned about another diagram that helps organize the information in a number story. It is called a *change diagram*. For more information, see pages 254 and 255 in the *Student Reference Book*.

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For each number story, write ? in the diagram for the number you want to find. Write the numbers you know in the change diagram. Then, write the answer and a number model. Finally, write how you know that each answer makes sense.

1. Marcus had \$25 in his wallet. He spent \$16 at the store. How much money was in Marcus's wallet then?

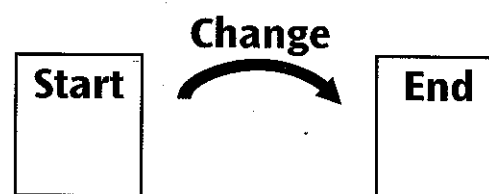


Answer the question: _____
(unit)

Number model: _____

Check: How do you know your answer makes sense?

2. Jasmine had \$35. She earned \$14 helping her neighbors. How much money did she have then?



Answer the question: _____
(unit)

Number model: _____

Check: How do you know your answer makes sense?

The Partial-Sums Addition Method


Family Note

Today your child learned about adding two 3-digit numbers using a procedure called the *partial-sums method*. Your child may choose to use this method or may prefer a different procedure. For more information, see pages 57 and 58 in the *Student Reference Book*.

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Solve each addition problem. You may want to use the partial-sums method. Use a ballpark estimate to check that your answer makes sense. Write a number model to show your estimate.



1. Ballpark estimate:

$$\begin{array}{r} \text{100s} \text{ 10s} \text{ 1s} \\ 2 \ 4 \ 5 \\ + \quad 9 \ 2 \\ \hline \end{array}$$

2. Ballpark estimate:

$$\begin{array}{r} 124 \\ + 215 \\ \hline \end{array}$$

3. Ballpark estimate:

$$\begin{array}{r} 245 \\ + 317 \\ \hline \end{array}$$

4. Ballpark estimate:

$$\begin{array}{r} 366 \\ + 208 \\ \hline \end{array}$$

5. Ballpark estimate:

$$\begin{array}{r} 459 \\ + 168 \\ \hline \end{array}$$

6. Ballpark estimate:

$$\begin{array}{r} 769 \\ + 445 \\ \hline \end{array}$$