Common Core Clinics
Grade 1
Mathematics

Number and Operations in Base Ten
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Get the Idea

You can **count** to find how many. Write the **number**.

**Example 1**

How many 🐱?

**Strategy**  Count only the 🐱.

- **Step 1**  There are 🐱 and 🐱.
- **Step 2**  Circle each 🐱 as you count.
- **Step 3**  Write the number. **8**

**Answer**  There are 8 🐱.
Example 2

How many cardinals are there?

Strategy Circle each cardinal as you count.
Write the number.

17

Answer There are 17 cardinals.
Guided Practice

How many 🍃?

Circle each 🍃 as you count.

Write the number.

There are __________ 🍃.
Lesson 1: Count Objects

Try It!

1. How many hamsters?

_____________

2. How many fish?

_____________
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Lesson 1  Fact Families

Get the Idea

A **fact family** is a group of related facts. The facts use the same numbers.

4, 6, and 10 are in the fact family below.

\[
\begin{align*}
\text{related addition facts} & \quad \text{related subtraction facts} \\
6 + 4 & = 10 & 10 - 4 & = 6 \\
4 + 6 & = 10 & 10 - 6 & = 4
\end{align*}
\]

Some fact families have only 2 facts. Think about doubles.

5, 5, and 10 are in this fact family.

\[
\begin{align*}
5 + 5 & = 10 & 10 - 5 & = 5
\end{align*}
\]
Example 1

What are the related subtraction facts?

7 + 6 = 13

**Strategy** Use the same numbers.

**Step 1** What are the numbers in the fact?

6, 7, 13

**Step 2** Write the related facts.

Use the same numbers.

13 - 6 = 7
13 - 7 = 6

**Answer** The related subtraction facts are:

13 - 6 = 7
13 - 7 = 6
Example 2

Write a fact family with these numbers.
6  8  14

**Strategy**  Use the same numbers.

**Step 1**  Write the addition facts.

\[
\begin{align*}
8 + 6 &= 14 \\
6 + 8 &= 14
\end{align*}
\]

**Step 2**  Write the subtraction facts.

\[
\begin{align*}
14 - 8 &= 6 \\
14 - 6 &= 8
\end{align*}
\]

**Answer**  
\[
\begin{align*}
8 + 6 &= 14 \\
6 + 8 &= 14 \\
14 - 8 &= 6 \\
14 - 6 &= 8
\end{align*}
\]
Guided Practice

Write a fact family with these numbers.

5  7  12

What are the numbers in this fact family? __________

Write the addition facts.

5  +  7  =  12

_________  +  __________  =  __________

Write the subtraction facts.

12  -  7  =  5

_________  -  __________  =  __________

The fact family is:

_________  +  __________  =  __________

_________  +  __________  =  __________

_________  -  __________  =  __________

_________  -  __________  =  __________
Try It!

Fill in the  for each fact family.

1. $3 + 8 = \underline{11}$
   $8 + 3 = \underline{11}$
   $\underline{11} - 8 = 3$
   $\underline{11} - 3 = 8$

2. $\underline{7} + 3 = 10$
   $3 + \underline{7} = 10$
   $10 - 3 = \underline{7}$
   $10 - \underline{3} = 7$

3. $\underline{8} + 5 = 13$
   $5 + \underline{8} = 13$
   $13 - 5 = \underline{8}$
   $13 - \underline{8} = 5$

4. $5 + 4 = \underline{9}$
   $4 + 5 = \underline{9}$
   $\underline{9} - 5 = 4$
   $\underline{9} - 4 = 5$

5. $4 + \underline{4} = 8$
   $8 - \underline{4} = 4$

6. $7 + \underline{7} = 14$
   $14 - \underline{7} = 7$
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4, 6, and 10 are in the fact family below.

**related addition facts**

\[
\begin{align*}
6 + 4 &= 10 \\
4 + 6 &= 10
\end{align*}
\]

**related subtraction facts**

\[
\begin{align*}
10 - 4 &= 6 \\
10 - 6 &= 4
\end{align*}
\]

Some fact families have only 2 facts. Think about doubles.

5, 5, and 10 are in this fact family.

\[
\begin{align*}
5 + 5 &= 10 \\
10 - 5 &= 5
\end{align*}
\]
Lesson 1: Fact Families

Example 1

What are the related subtraction facts?
7 + 6 = 13

Strategy  Use the same numbers.

Step 1  What are the numbers in the fact?
6, 7, 13

Step 2  Write the related facts.
Use the same numbers.

\[
\begin{align*}
13 - 6 &= 7 \\
13 - 7 &= 6
\end{align*}
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Answer  The related subtraction facts are:
13 - 6 = 7
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Example 2

Write a fact family with these numbers.
6  8  14

Strategy  Use the same numbers.

Step 1  Write the addition facts.
8 + 6 = 14
6 + 8 = 14

Step 2  Write the subtraction facts.
14 – 8 = 6
14 – 6 = 8

Answer  8 + 6 = 14
6 + 8 = 14
14 – 8 = 6
14 – 6 = 8
Guided Practice

Write a fact family with these numbers.

5  7  12

What are the numbers in this fact family? __________

Write the addition facts.

\[
\begin{align*}
5 &+ 7 = 12 \\
&+ & = \\
12 &- 7 = 5 \\
&- & =
\end{align*}
\]

Write the subtraction facts.

\[
\begin{align*}
&- 7 = 5 \\
&- & =
\end{align*}
\]

The fact family is:

\[
\begin{align*}
&+ & = \\
&+ & = \\
&- & = \\
&- & =
\end{align*}
\]
Try It!

Fill in the [ ] for each fact family.

1. \(3 + 8 = [ ]\)
   \(8 + 3 = [ ]\)
   \([- 8 = 3\]
   \([- 3 = 8\]

2. \([ ] + 3 = 10\]
   \(3 + [ ] = 10\]
   \(10 - 3 = [ ]\]
   \(10 - [ ] = 3\]

3. \([ ] + 5 = 13\]
   \(5 + [ ] = 13\]
   \(13 - 5 = [ ]\]
   \(13 - [ ] = 5\]

4. \(5 + 4 = [ ]\]
   \(4 + 5 = [ ]\]
   \([ ] - 5 = 4\]
   \([ ] - 4 = 5\]

5. \(4 + [ ] = 8\]
   \(8 - [ ] = 4\]

6. \(7 + [ ] = 14\]
   \(14 - [ ] = 7\]