

Name _____

Math Facts Book
Addition and Subtraction

Vocabulary

When we add two numbers, the answer is the _____.

$$3 + 4 = 7 \text{ (7 is the _____.)}$$

Each number that we are adding is called an _____.

$$13 = 8 + 5 \text{ (8 and 5 are the _____.)}$$

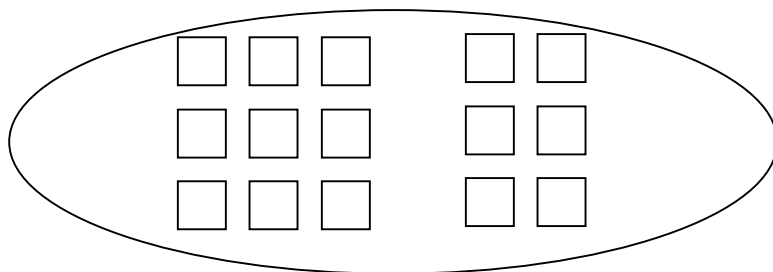
When we subtract two numbers, the answer is the _____.

$$4 = 9 - 5 \text{ (4 is the _____.)}$$

We can also think of these numbers as two parts and the whole. We add the parts to get the whole, and we subtract one part from the whole to get the other part.

$$9 + 6 = 15$$

(15 is the whole, and 9 and 6 are the parts.)



Add zero

Write all of the facts that match this strategy.
Use turnaround facts also.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

What do you notice about the sum in each problem? Why does this happen?

One more

Write all of the facts that match this strategy.
Use turnaround facts also.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

What do you notice about the sum in each problem? Why does this happen?

Two more

Write all of the facts that match this strategy.
Use turnaround facts also.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

What do you notice about the sum in each problem? Why does this happen?

Doubles

Write each doubles addition fact and the subtraction fact that matches it.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

What kind of number is each sum? Why?

Make 10

On the left side, write all of the addition facts that match this strategy. Then, on the right side, write a subtraction fact that matches each addition fact.

Do not use exact repeats!

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

What is the sum in every fact on the left above?

Make 10

Fill in each frame to show five different combinations of 10.
Below each 10 frame, write an addition fact and subtraction
fact that match the 10 frame.

Near doubles

Write all of the near doubles addition facts you can find by knowing each doubles fact below.
Use turnaround facts also.

$0 + 0 = 0$

$1 + 1 = 2$

$2 + 2 = 4$

$3 + 3 = 6$

$4 + 4 = 8$

$5 + 5 = 10$

$6 + 6 = 12$

$7 + 7 = 14$

$8 + 8 = 16$

$9 + 9 = 18$

$10 + 10 = 20$

What do you notice about every sum in these near doubles facts? Why do you think this happens?

Near doubles

Write the subtraction facts you can find by knowing each near doubles fact below.

$0 + 1 = 1$ _____

$1 + 2 = 3$ _____

$2 + 3 = 5$ _____

$3 + 4 = 7$ _____

$4 + 5 = 9$ _____

$5 + 6 = 11$ _____

$6 + 7 = 13$ _____

$7 + 8 = 15$ _____

$8 + 9 = 17$ _____

$9 + 10 = 19$ _____

$10 + 11 = 21$ _____

Two apart facts

Write all of the Two Apart addition facts you can find by knowing each doubles fact below.

Use turnaround facts also.

$0 + 0 = 0$

$1 + 1 = 2$

$2 + 2 = 4$

$3 + 3 = 6$

$4 + 4 = 8$

$5 + 5 = 10$

$6 + 6 = 12$

$7 + 7 = 14$

$8 + 8 = 16$

$9 + 9 = 18$

$10 + 10 = 20$

What do you notice about every sum in these Two Apart facts? Why do you think this happens?

How can you find a two apart fact if you know the doubles facts?

Two apart facts

Write the subtraction facts you can find by knowing each Two Apart fact below.

$0 + 2 = 2$

$1 + 3 = 4$

$2 + 4 = 6$

$3 + 5 = 8$

$4 + 6 = 10$

$5 + 7 = 12$

$6 + 8 = 14$

$7 + 9 = 16$

$8 + 10 = 18$

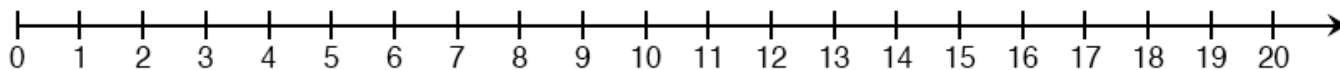
$9 + 11 = 20$

$10 + 12 = 22$

Using 10 as a landmark (addition)

Show how to find the sum on the number line, using 10 as a "landing point."

$8 + 5 = \underline{\quad\quad}$

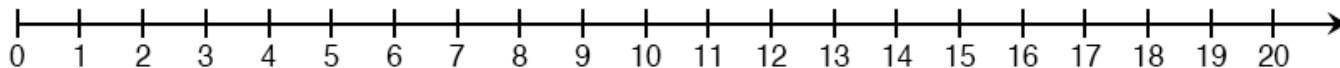


Turnaround fact: _____

Subtraction facts that match:

Show how to find the sum on the number line, using 10 as a "landing point."

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

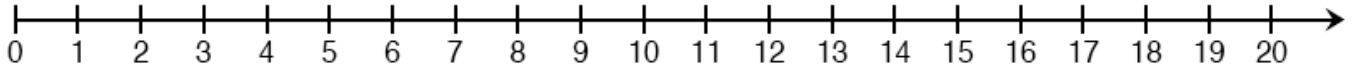


Turnaround fact: _____

Subtraction facts that match:

Show how to find the sum on the number line, using 10 as a "landing point."

$9 + 6 = \underline{\quad\quad}$

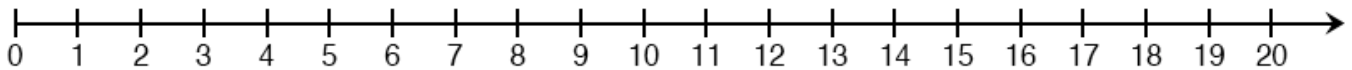


Turnaround fact: _____

Subtraction facts that match:

Show how to find the sum on the number line, using 10 as a "landing point."

$4 + 8 = \underline{\quad\quad}$



Turnaround fact: _____

Subtraction facts that match:

Give the sum. Then, write the turnaround fact.
Last, write the two subtraction facts that go with the pair
of addition facts.

$9 + 4 =$ _____ Turnaround: _____

Subtraction facts: _____

$5 + 9 =$ _____ Turnaround: _____

Subtraction facts: _____

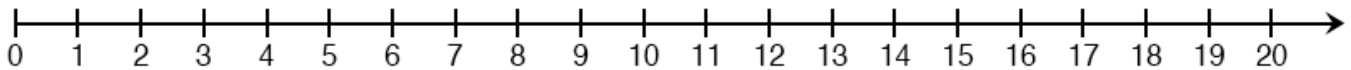
$3 + 8 =$ _____ Turnaround: _____

Subtraction facts: _____

Using 10 as a landmark (subtraction)

Show how to find the difference on the number line, using 10 as a "landing point."

$14 - 9 = \underline{\quad}$

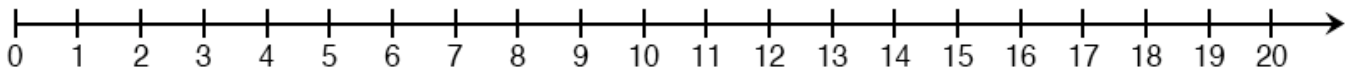


Another related subtraction fact: _____

Addition facts that match:

Show how to find the difference on the number line, using 10 as a "landing point."

$13 - 4 = \underline{\quad}$

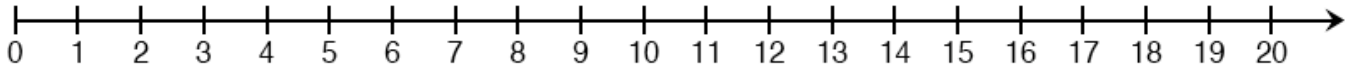


Another related subtraction fact: _____

Addition facts that match:

Show how to find the difference on the number line, using 10 as a "landing point."

$11 - 8 = \underline{\quad}$

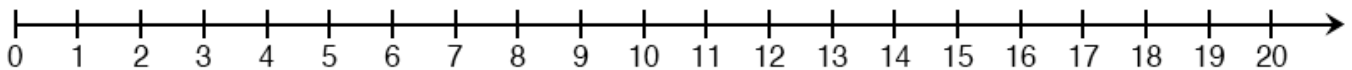


Another related subtraction fact: _____

Addition facts that match:

Show how to find the difference on the number line, using 10 as a "landing point."

$12 - 4 = \underline{\quad}$



Another related subtraction fact: _____

Addition facts that match:

Give the difference. Then, write the related subtraction fact. Last, write the two addition facts that go with the pair of subtraction facts.

$15 - 9 =$ _____ Related: _____

Addition facts: _____

$11 - 4 =$ _____ Related: _____

Addition facts: _____

$13 - 8 =$ _____ Related: _____

Addition facts: _____

Math Families

Write the math family that goes with each set of numbers.
(two addition facts and two subtraction facts)

3

6

9

5

7

12

Now, write other math families with numbers that you choose
or that your teacher gives you.

Numbers: _____

Numbers: _____

More Math Families

Write other math families with numbers that you choose or that your teacher gives you.

Numbers: _____

_____	_____
_____	_____

Numbers: _____

_____	_____
_____	_____

Numbers: _____

_____	_____
_____	_____

Numbers: _____

_____	_____
_____	_____

Answer key On following pages

Note that some tasks have multiple possible answers.

For example, $5 + 6 = 11$ and $11 = 5 + 6$ are acceptable as the same answer.

Mathematically speaking, there is no difference between $5 + 6 = 11$ and $6 + 5 = 11$.

However, since we want to encourage understanding of the commutative property ("turnaround facts"), these are counted as two different answers in most of the activities.

Also, a "related" subtraction fact means the whole and the parts are the same in both facts. For example:

$14 - 9 = 5$ and $14 - 5 = 9$ would be "related" facts.

******Lists of facts that go with a given strategy DO NOT have to be listed in the order in the answer key!! However, turnaround facts should be paired together, and related subtraction facts should be paired together.

Vocabulary

When we add two numbers, the answer is the **sum**.

$$3 + 4 = 7 \text{ (7 is the sum.)}$$

Each number that we are adding is called an **addend**.

$$13 = 8 + 5 \text{ (8 and 5 are the addends.)}$$

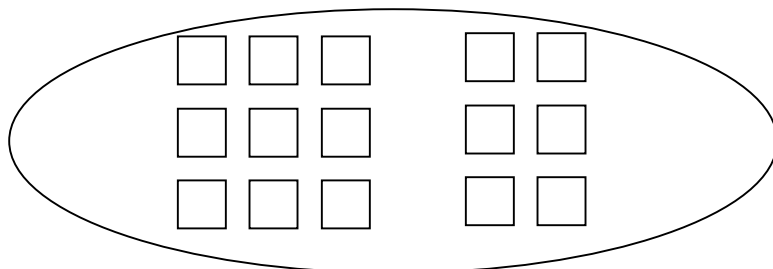
When we subtract two numbers, the answer is the **difference**.

$$4 = 9 - 5 \text{ (4 is the difference.)}$$

We can also think of these numbers as two parts and the whole. We add the parts to get the whole, and we subtract one part from the whole to get the other part.

$$9 + 6 = 15$$

(15 is the whole, and 9 and 6 are the parts.)



Add zero

Write all of the facts that match this strategy.
Use turnaround facts also.

$0 + 0 = 0$ _____

$1 + 0 = 1$ _____ $0 + 1 = 1$ _____

$2 + 0 = 2$ _____ $0 + 2 = 2$ _____

$3 + 0 = 3$ _____ $0 + 3 = 3$ _____

$4 + 0 = 4$ _____ $0 + 4 = 4$ _____

$5 + 0 = 5$ _____ $0 + 5 = 5$ _____

$6 + 0 = 6$ _____ $0 + 6 = 6$ _____

$7 + 0 = 7$ _____ $0 + 7 = 7$ _____

$8 + 0 = 8$ _____ $0 + 8 = 8$ _____

$9 + 0 = 9$ _____ $0 + 9 = 9$ _____

$10 + 0 = 10$ _____ $0 + 10 = 10$ _____

What do you notice about the sum in each problem? Why does this happen?

The sum is the same as the addend that is not 0. This is because we are adding nothing to that number.

Subtract zero

Write all of the facts that match this strategy.

$$0 - 0 = 0 \underline{\hspace{2cm}}$$

$$1 - 0 = 1 \underline{\hspace{2cm}}$$

$$2 - 0 = 2 \underline{\hspace{2cm}}$$

$$3 - 0 = 3 \underline{\hspace{2cm}}$$

$$4 - 0 = 4 \underline{\hspace{2cm}}$$

$$5 - 0 = 5 \underline{\hspace{2cm}}$$

$$6 - 0 = 6 \underline{\hspace{2cm}}$$

$$7 - 0 = 7 \underline{\hspace{2cm}}$$

$$8 - 0 = 8 \underline{\hspace{2cm}}$$

$$9 - 0 = 9 \underline{\hspace{2cm}}$$

$$10 - 0 = 10 \underline{\hspace{2cm}}$$

What do you notice about the difference in each problem?
Why does this happen?

The difference is always the number we start with. This is because we are taking nothing away from that number (or finding the difference between 0 and that number, which is always that number).

Subtract ALL

Write all of the facts that match this strategy.

$0 - 0 = 0$ _____

$1 - 1 = 0$ _____

$2 - 2 = 0$ _____

$3 - 3 = 0$ _____

$4 - 4 = 0$ _____

$5 - 5 = 0$ _____

$6 - 6 = 0$ _____

$7 - 7 = 0$ _____

$8 - 8 = 0$ _____

$9 - 9 = 0$ _____

$10 - 10 = 0$ _____

What do you notice about the difference in each problem?
Why does this happen?

The difference is always 0. This is because we are taking everything away from the number (or because the difference between a number and itself is 0).

One more

Write all of the facts that match this strategy.
Use turnaround facts also.

$0 + 1 = 1$ _____

$1 + 0 = 1$ _____

$1 + 1 = 2$ _____

$2 + 1 = 3$ _____

$1 + 2 = 3$ _____

$3 + 1 = 4$ _____

$1 + 3 = 4$ _____

$4 + 1 = 5$ _____

$1 + 4 = 5$ _____

$5 + 1 = 6$ _____

$1 + 5 = 6$ _____

$6 + 1 = 7$ _____

$1 + 6 = 7$ _____

$7 + 1 = 8$ _____

$1 + 7 = 8$ _____

$8 + 1 = 9$ _____

$1 + 8 = 9$ _____

$9 + 1 = 10$ _____

$1 + 9 = 10$ _____

$10 + 1 = 11$ _____

$1 + 10 = 11$ _____

What do you notice about the sum in each problem? Why does this happen?

The sum is the number right after (or above) the addend that is not 1. This is because we add 1 every time we count forward one number.

One less

Write all of the facts that match this strategy.

$1 - 1 = 0$ _____

$2 - 1 = 1$ _____

$3 - 1 = 2$ _____

$4 - 1 = 3$ _____

$5 - 1 = 4$ _____

$6 - 1 = 5$ _____

$7 - 1 = 6$ _____

$8 - 1 = 7$ _____

$9 - 1 = 8$ _____

$10 - 1 = 9$ _____

$11 - 1 = 10$ _____

What do you notice about the difference in each problem?
Why does this happen?

The difference is the number right before (or below) the number we start with. This is because we subtract 1 every time we count backward one number.

Two more

Write all of the facts that match this strategy.
Use turnaround facts also.

$0 + 2 = 2$ _____

$2 + 0 = 2$ _____

$1 + 2 = 3$ _____

$2 + 1 = 3$ _____

$2 + 2 = 4$ _____

$3 + 2 = 5$ _____

$2 + 3 = 5$ _____

$4 + 2 = 6$ _____

$2 + 4 = 6$ _____

$5 + 2 = 7$ _____

$2 + 5 = 7$ _____

$6 + 2 = 8$ _____

$2 + 6 = 8$ _____

$7 + 2 = 9$ _____

$2 + 7 = 9$ _____

$8 + 2 = 10$ _____

$2 + 8 = 10$ _____

$9 + 2 = 11$ _____

$2 + 9 = 11$ _____

$10 + 2 = 12$ _____

$2 + 10 = 12$ _____

What do you notice about the sum in each problem? Why does this happen?

The sum is the number two after (or above) the addend that is not 2. This is because we add 2 every time we count forward two numbers.

Two less

Write all of the facts that match this strategy.

$$2 - 2 = 0 \underline{\hspace{2cm}}$$

$$3 - 2 = 1 \underline{\hspace{2cm}}$$

$$4 - 2 = 2 \underline{\hspace{2cm}}$$

$$5 - 2 = 3 \underline{\hspace{2cm}}$$

$$6 - 2 = 4 \underline{\hspace{2cm}}$$

$$7 - 2 = 5 \underline{\hspace{2cm}}$$

$$8 - 2 = 6 \underline{\hspace{2cm}}$$

$$9 - 2 = 7 \underline{\hspace{2cm}}$$

$$10 - 2 = 8 \underline{\hspace{2cm}}$$

$$11 - 2 = 9 \underline{\hspace{2cm}}$$

$$12 - 2 = 10 \underline{\hspace{2cm}}$$

What do you notice about the difference in each problem?
Why does this happen?

The difference is the number two before (or below) the number we start with. This is because we subtract 2 every time we count backward two numbers.

Doubles

Write each doubles addition fact and the subtraction fact that matches it.

$0 + 0 = 0$ _____

$0 - 0 = 0$ _____

$1 + 1 = 2$ _____

$2 - 1 = 1$ _____

$2 + 2 = 4$ _____

$4 - 2 = 2$ _____

$3 + 3 = 6$ _____

$6 - 3 = 3$ _____

$4 + 4 = 8$ _____

$8 - 4 = 4$ _____

$5 + 5 = 10$ _____

$10 - 5 = 5$ _____

$6 + 6 = 12$ _____

$12 - 6 = 6$ _____

$7 + 7 = 14$ _____

$14 - 7 = 7$ _____

$8 + 8 = 16$ _____

$16 - 8 = 8$ _____

$9 + 9 = 18$ _____

$18 - 9 = 9$ _____

$10 + 10 = 20$ _____

$20 - 10 = 10$ _____

What kind of number is each sum? Why?

Each sum is an even number. This is because in a double, each number has a partner.

Make 10

On the left side, write all of the addition facts that match this strategy. Then, on the right side, write a subtraction fact that matches each addition fact.

Do not use exact repeats!

$0 + 10 = 10$ _____ $10 - 0 = 0$ or $10 - 10 = 0$

$1 + 9 = 10$ _____ $10 - 1 = 9$ or $10 - 9 = 1$

$2 + 8 = 10$ _____ $10 - 2 = 8$ or $10 - 8 = 2$

$3 + 7 = 10$ _____ $10 - 3 = 7$ or $10 - 7 = 3$

$4 + 6 = 10$ _____ $10 - 4 = 6$ or $10 - 6 = 4$

$5 + 5 = 10$ _____ $10 - 5 = 5$ _____

$6 + 4 = 10$ _____ $10 - 6 = 4$ or $10 - 4 = 6$

$7 + 3 = 10$ _____ $10 - 7 = 3$ or $10 - 3 = 7$

$8 + 2 = 10$ _____ $10 - 8 = 2$ or $10 - 2 = 8$

$9 + 1 = 10$ _____ $10 - 9 = 1$ or $10 - 1 = 9$

$10 + 0 = 10$ _____ $10 - 10 = 0$ or $10 - 0 = 10$

What is the sum in every fact on the left above?

10

Make 10

Fill in each frame to show five different combinations of 10.
Below each 10 frame, write an addition fact and subtraction
fact that match the 10 frame.

○	○	○	○	○
○	□	□	□	□

$6 + 4 = 10$ _____

$10 - 6 = 4$ _____

(answers will vary) _____

Near doubles

Write all of the near doubles addition facts you can find by knowing each doubles fact below.
Use turnaround facts also.

$0 + 0 = 0$

$0 + 1 = 1$ _____

$1 + 0 = 1$ _____

$1 + 1 = 2$

$0 + 1 = 1$ _____

$1 + 0 = 1$ _____

$1 + 2 = 3$ _____

$2 + 1 = 3$ _____

$2 + 2 = 4$

$1 + 2 = 3$ _____

$2 + 1 = 3$ _____

$2 + 3 = 5$ _____

$3 + 2 = 5$ _____

$3 + 3 = 6$

$2 + 3 = 5$ _____

$3 + 2 = 5$ _____

$3 + 4 = 7$ _____

$4 + 3 = 7$ _____

$4 + 4 = 8$

$3 + 4 = 7$ _____

$4 + 3 = 7$ _____

$4 + 5 = 9$ _____

$5 + 4 = 9$ _____

$5 + 5 = 10$

$4 + 5 = 9$ _____

$5 + 4 = 9$ _____

$5 + 6 = 11$ _____

$6 + 5 = 11$ _____

$6 + 6 = 12$

$5 + 6 = 11$ _____

$6 + 5 = 11$ _____

$6 + 7 = 13$ _____

$7 + 6 = 13$ _____

$7 + 7 = 14$

$6 + 7 = 13$ _____

$7 + 6 = 13$ _____

$7 + 8 = 15$ _____

$8 + 7 = 15$ _____

$8 + 8 = 16$

$7 + 8 = 15$ _____

$8 + 7 = 15$ _____

$8 + 9 = 17$ _____

$9 + 8 = 17$ _____

$9 + 9 = 18$

$8 + 9 = 17$ _____

$9 + 8 = 17$ _____

$9 + 10 = 19$ _____

$10 + 9 = 19$ _____

$10 + 10 = 20$

$9 + 10 = 19$ _____

$10 + 9 = 19$ _____

$10 + 11 = 21$ _____

$11 + 10 = 21$ _____

What do you notice about every sum in these near doubles facts? Why do you think this happens?

The sums are all odd numbers. This happens because in a near double, every number has a partner except one.

Near doubles

Write the subtraction facts you can find by knowing each near doubles fact below.

$0 + 1 = 1$ $1 - 1 = 0$ _____ $1 - 0 = 1$ _____

$1 + 2 = 3$ $3 - 2 = 1$ _____ $3 - 1 = 2$ _____

$2 + 3 = 5$ $5 - 3 = 2$ _____ $5 - 2 = 3$ _____

$3 + 4 = 7$ $7 - 4 = 3$ _____ $7 - 3 = 4$ _____

$4 + 5 = 9$ $9 - 5 = 4$ _____ $9 - 4 = 5$ _____

$5 + 6 = 11$ $11 - 6 = 5$ _____ $11 - 5 = 6$ _____

$6 + 7 = 13$ $13 - 7 = 6$ _____ $13 - 6 = 7$ _____

$7 + 8 = 15$ $15 - 8 = 7$ _____ $15 - 7 = 8$ _____

$8 + 9 = 17$ $17 - 9 = 8$ _____ $17 - 8 = 9$ _____

$9 + 10 = 19$ $19 - 10 = 9$ _____ $19 - 9 = 10$ _____

$10 + 11 = 21$ $21 - 11 = 10$ _____ $21 - 10 = 11$ _____

Two apart facts

Write all of the Two Apart addition facts you can find by knowing each doubles fact below.

Use turnaround facts also.

$0 + 0 = 0$

$0 + 2 = 2$ _____

$2 + 0 = 2$ _____

$1 + 1 = 2$

$0 + 2 = 2$ _____

$2 + 0 = 2$ _____

$1 + 3 = 4$ _____

$3 + 1 = 4$ _____

$2 + 2 = 4$

$0 + 2 = 2$ _____

$2 + 0 = 2$ _____

$1 + 3 = 4$ _____

$3 + 1 = 4$ _____

$2 + 4 = 6$ _____

$4 + 2 = 6$ _____

$3 + 3 = 6$

$1 + 3 = 4$ _____

$3 + 1 = 4$ _____

$2 + 4 = 6$ _____

$4 + 2 = 6$ _____

$3 + 5 = 8$ _____

$5 + 3 = 8$ _____

$4 + 4 = 8$

$2 + 4 = 6$ _____

$4 + 2 = 6$ _____

$3 + 5 = 8$ _____

$5 + 3 = 8$ _____

$4 + 6 = 10$ _____

$6 + 4 = 10$ _____

$5 + 5 = 10$

$3 + 5 = 8$ _____

$5 + 3 = 8$ _____

$4 + 6 = 10$ _____

$6 + 4 = 10$ _____

$5 + 7 = 12$ _____

$7 + 5 = 12$ _____

$6 + 6 = 12$

$4 + 6 = 10$ _____

$6 + 4 = 10$ _____

$5 + 7 = 12$ _____

$7 + 5 = 12$ _____

$6 + 8 = 14$ _____

$8 + 6 = 14$ _____

$7 + 7 = 14$

$5 + 7 = 12$ _____

$7 + 5 = 12$ _____

$6 + 8 = 14$ _____

$8 + 6 = 14$ _____

$7 + 9 = 16$ _____

$9 + 7 = 16$ _____

$8 + 8 = 16$

$6 + 8 = 14$ _____

$8 + 6 = 14$ _____

$7 + 9 = 16$ _____

$9 + 7 = 16$ _____

$8 + 10 = 18$ _____

$10 + 8 = 18$ _____

$9 + 9 = 18$

$7 + 9 = 16$ _____

$9 + 7 = 16$ _____

$8 + 10 = 18$ _____

$10 + 8 = 18$ _____

$9 + 11 = 20$ _____

$11 + 9 = 20$ _____

$10 + 10 = 20$

$8 + 10 = 18$ _____

$10 + 8 = 18$ _____

$9 + 11 = 20$ _____

$11 + 9 = 20$ _____

$10 + 12 = 22$ _____

$12 + 10 = 22$ _____

What do you notice about every sum in these Two Apart facts? Why do you think this happens?

The sums are all even. When we add numbers that are two apart, we really have a double plus two more. A double is even, so we add two, and the sum is still even. (or something to this effect)

How can you find a two apart fact if you know the doubles facts?

Take the number in between the two addends in the two apart fact, and double it.

Two apart facts

Write the subtraction facts you can find by knowing each Two Apart fact below.

$0 + 2 = 2$ $2 - 2 = 0$ _____ $2 - 0 = 2$ _____

$1 + 3 = 4$ $4 - 3 = 1$ _____ $4 - 1 = 3$ _____

$2 + 4 = 6$ $6 - 4 = 2$ _____ $6 - 2 = 4$ _____

$3 + 5 = 8$ $8 - 5 = 3$ _____ $8 - 3 = 5$ _____

$4 + 6 = 10$ $10 - 6 = 4$ _____ $10 - 4 = 6$ _____

$5 + 7 = 12$ $12 - 7 = 5$ _____ $12 - 5 = 7$ _____

$6 + 8 = 14$ $14 - 8 = 6$ _____ $14 - 6 = 8$ _____

$7 + 9 = 16$ $16 - 9 = 7$ _____ $16 - 7 = 9$ _____

$8 + 10 = 18$ $18 - 10 = 8$ _____ $18 - 8 = 10$ _____

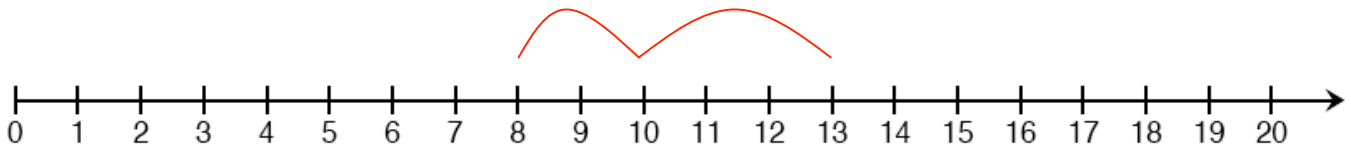
$9 + 11 = 20$ $20 - 11 = 9$ _____ $20 - 9 = 11$ _____

$10 + 12 = 22$ $22 - 12 = 10$ _____ $22 - 10 = 12$ _____

Using 10 as a landmark (addition)

Show how to find the sum on the number line, using 10 as a "landing point."

$$8 + 5 = 13 \underline{\hspace{1cm}}$$



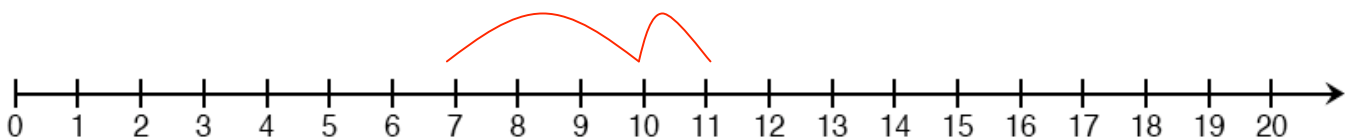
Turnaround fact: $5 + 8 = 13$ _____

Subtraction facts that match:

$$13 - 8 = 5 \underline{\hspace{1cm}} \quad 13 - 5 = 8 \underline{\hspace{1cm}}$$

Show how to find the sum on the number line, using 10 as a "landing point."

$$7 + 4 = 11 \underline{\hspace{1cm}}$$



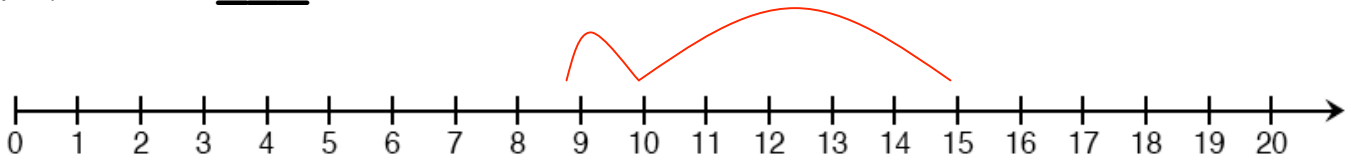
Turnaround fact: $4 + 7 = 11$ _____

Subtraction facts that match:

$$11 - 4 = 7 \underline{\hspace{1cm}} \quad 11 - 7 = 4 \underline{\hspace{1cm}}$$

Show how to find the sum on the number line, using 10 as a "landing point."

$$9 + 6 = 15 \underline{\hspace{1cm}}$$



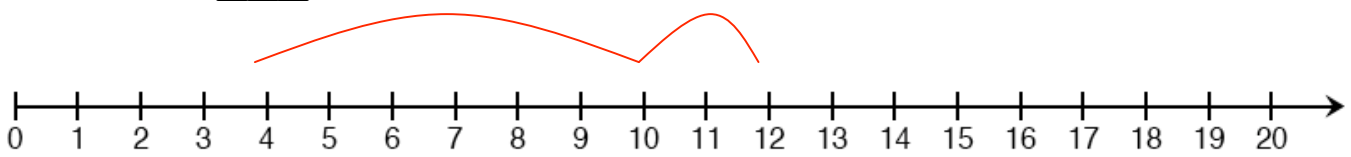
Turnaround fact: $6 + 9 = 15 \underline{\hspace{1cm}}$

Subtraction facts that match:

$$15 - 6 = 9 \underline{\hspace{1cm}} \quad 15 - 9 = 6 \underline{\hspace{1cm}}$$

Show how to find the sum on the number line, using 10 as a "landing point."

$$4 + 8 = 12 \underline{\hspace{1cm}}$$



Turnaround fact: $8 + 4 = 12 \underline{\hspace{1cm}}$

Subtraction facts that match:

$$12 - 4 = 8 \underline{\hspace{1cm}} \quad 12 - 8 = 4 \underline{\hspace{1cm}}$$

Give the sum. Then, write the turnaround fact.
Last, write the two subtraction facts that go with the pair
of addition facts.

$9 + 4 = 13$ _____ Turnaround: $4 + 9 = 13$ _____

Subtraction facts: $13 - 9 = 4$ _____

$13 - 4 = 9$ _____

$5 + 9 = 14$ _____ Turnaround: $9 + 5 = 14$ _____

Subtraction facts: $14 - 9 = 5$ _____

$14 - 5 = 9$ _____

$3 + 8 = 11$ _____ Turnaround: $8 + 3 = 11$ _____

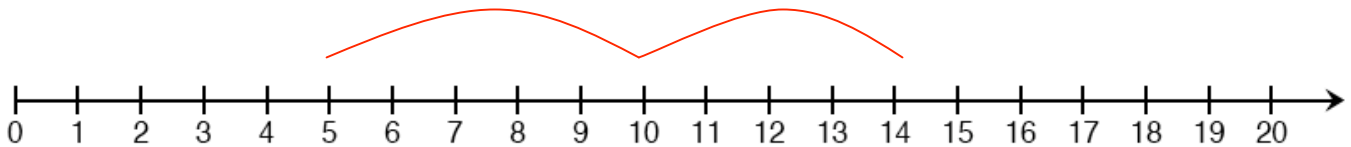
Subtraction facts: $11 - 3 = 8$ _____

$11 - 8 = 3$ _____

Using 10 as a landmark (subtraction)

Show how to find the difference on the number line, using 10 as a "landing point."

$$14 - 9 = 5 \underline{\hspace{2cm}}$$



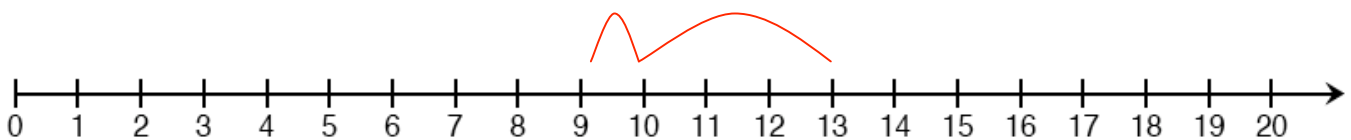
Another related subtraction fact: $14 - 5 = 9 \underline{\hspace{2cm}}$

Addition facts that match:

$$9 + 5 = 14 \underline{\hspace{2cm}} \quad 5 + 9 = 14 \underline{\hspace{2cm}}$$

Show how to find the difference on the number line, using 10 as a "landing point."

$$13 - 4 = 9 \underline{\hspace{2cm}}$$



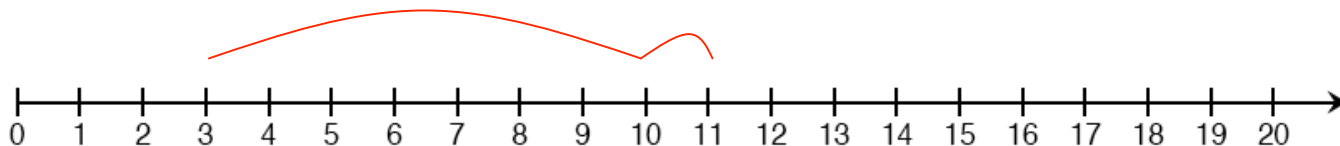
Another related subtraction fact: $13 - 9 = 4 \underline{\hspace{2cm}}$

Addition facts that match:

$$9 + 4 = 13 \underline{\hspace{2cm}} \quad 4 + 9 = 13 \underline{\hspace{2cm}}$$

Show how to find the difference on the number line, using 10 as a "landing point."

$$11 - 8 = 3 \underline{\hspace{2cm}}$$



Another related subtraction fact: $11 - 3 = 8$

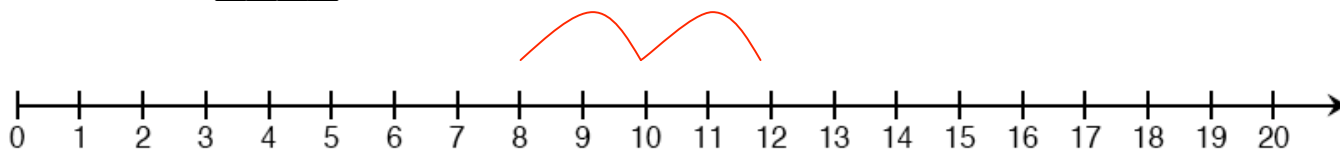
Addition facts that match:

$$3 + 8 = 11 \underline{\hspace{2cm}}$$

$$8 + 3 = 11 \underline{\hspace{2cm}}$$

Show how to find the difference on the number line, using 10 as a "landing point."

$$12 - 4 = 8 \underline{\hspace{2cm}}$$



Another related subtraction fact: $12 - 8 = 4$

Addition facts that match:

$$4 + 8 = 12 \underline{\hspace{2cm}}$$

$$8 + 4 = 12 \underline{\hspace{2cm}}$$

Give the difference. Then, write the related subtraction fact. Last, write the two addition facts that go with the pair of subtraction facts.

$15 - 9 = 6$ _____ Related: $15 - 6 = 9$ _____

Addition facts: $6 + 9 = 15$ _____

$9 + 6 = 15$ _____

$11 - 4 = 7$ _____ Related: $11 - 7 = 4$ _____

Addition facts: $4 + 7 = 11$ _____

$7 + 4 = 11$ _____

$13 - 8 = 5$ _____ Related: $13 - 5 = 8$ _____

Addition facts: $5 + 8 = 13$ _____

$8 + 5 = 13$ _____

Math Families

Write the math family that goes with each set of numbers.
(two addition facts and two subtraction facts)

3 6 9

$3 + 6 = 9$ _____ $6 + 3 = 9$ _____

$9 - 6 = 3$ _____ $9 - 3 = 6$ _____

5 7 12

$5 + 7 = 12$ _____ $7 + 5 = 12$ _____

$12 - 5 = 7$ _____ $12 - 7 = 5$ _____

Now, write other math families with numbers that you choose
or that your teacher gives you.

Numbers: (answers will vary)

Numbers: _____
