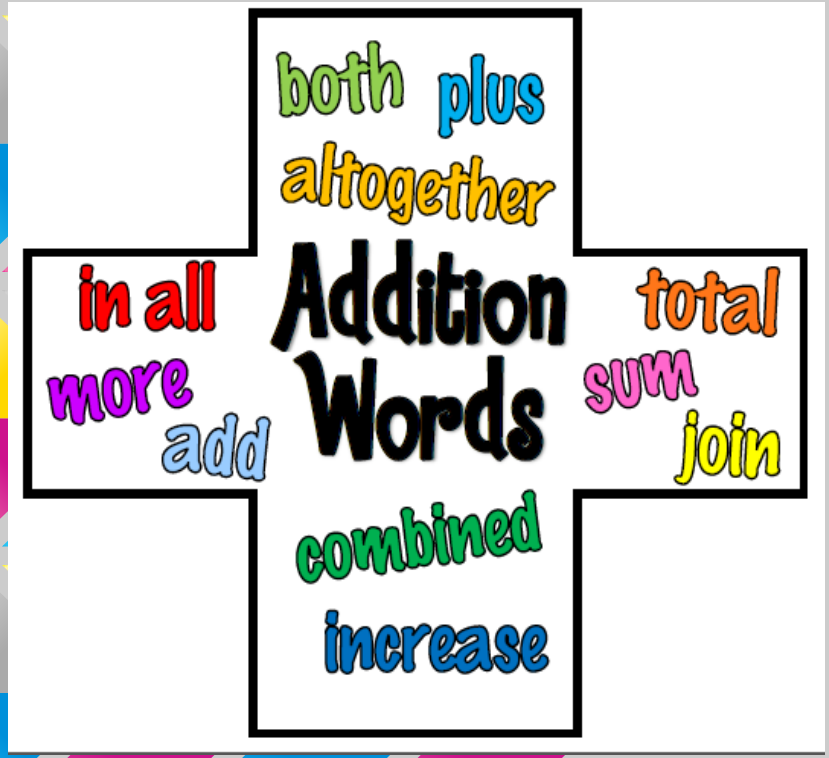
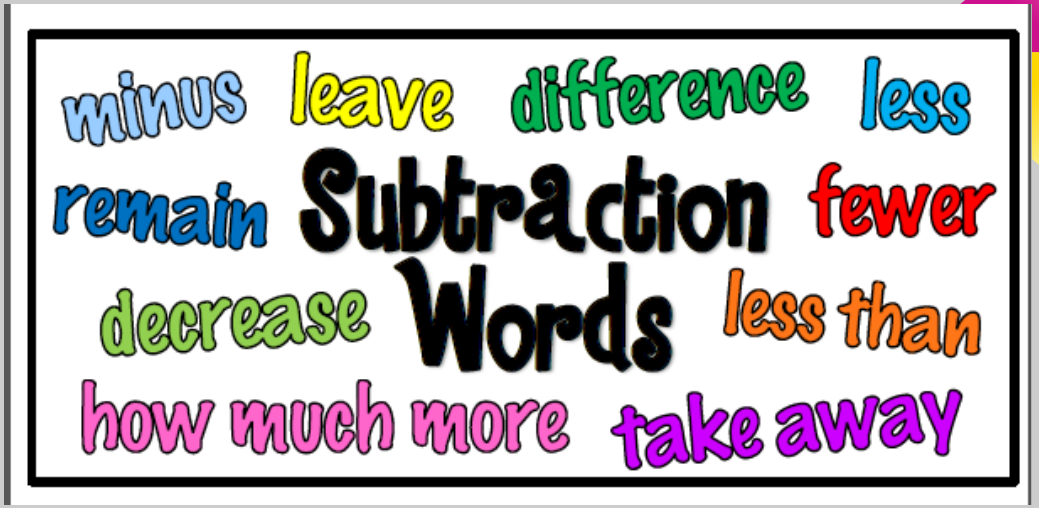
Word Problem Prep

C.U.B.E.S

CIRCLE THE NUMBERS	UNDERLINE THE MATH ACTION WORDS	BOX THE LABEL	EVALUATE WHAT STEPS TO TAKE	SOLVE & CHECK

Math Action Words





Word Problem

There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

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Problem Solving Strategies

Objects/Tools

First, I counted out eleven cubes because after Terry bought more apples, there were eleven on the table. I know that 7 apples were on the table. I used red cubes to show the 7 apples. I used green cubes to show how many apples were bought. Four apples were bought.

There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

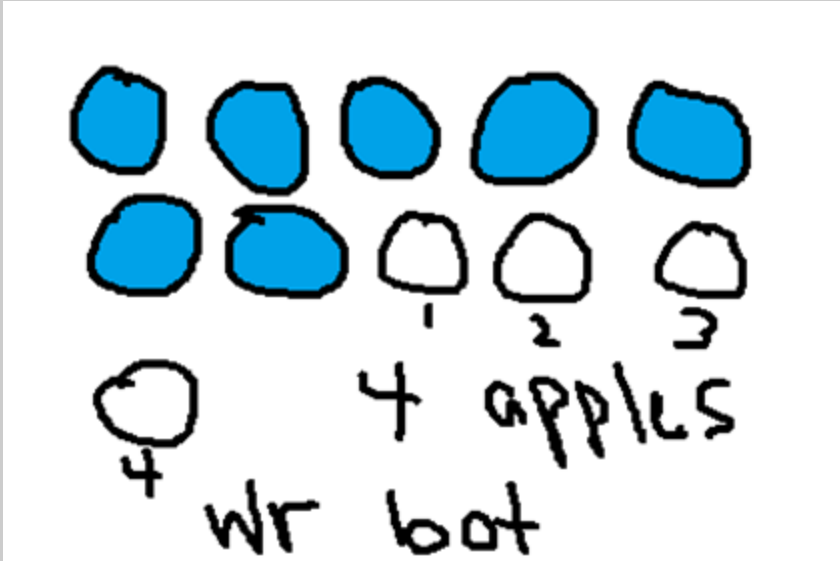
Objects/Tools

- Number Line
- 120 Chart
- Number Path
- Tens Frame
- Math Mountain
- Dot Array

Drawings

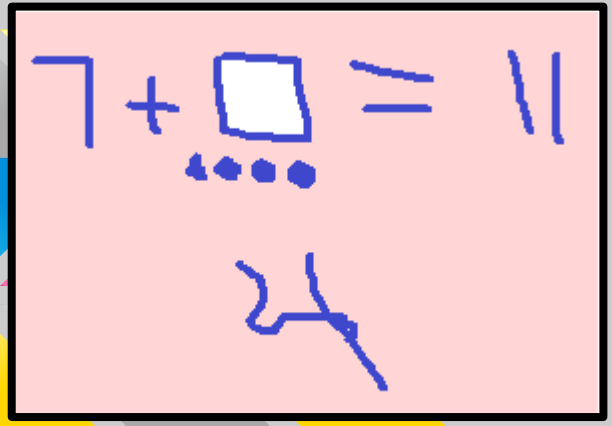
There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

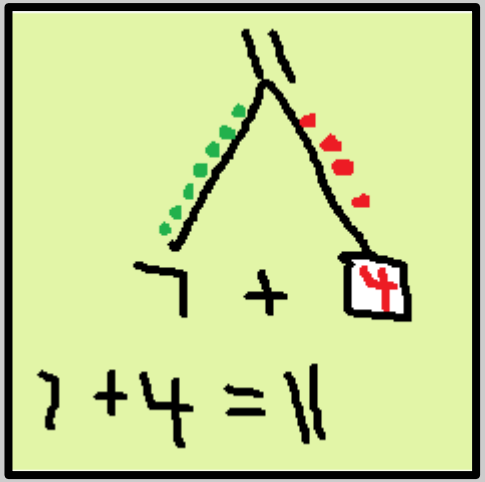
This was tricky. At first, I drew 7 circles because there were 7 apples on the table. I colored them blue so I wouldn't get mixed up. I counted on to eleven...8, 9, 10, 11. As I counted, I drew circles. I drew four more circles. So I know Terry bought 4 more apples to have eleven on the table.

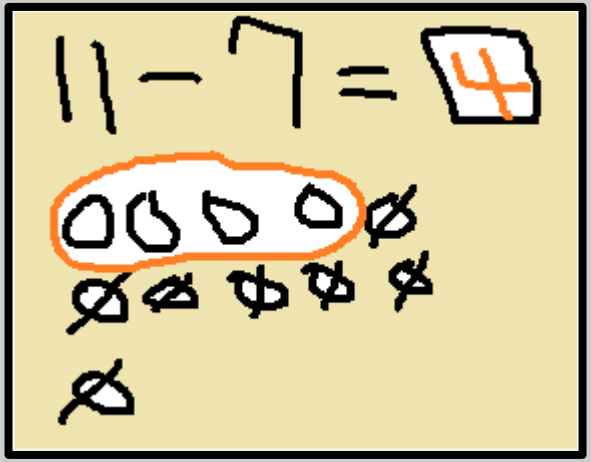


Equations

There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?







Mental Math

There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

I know that 7 plus 3 equals 10 and one more makes 11. So 3 + 1 = 4. Terry bought 4 more apples.

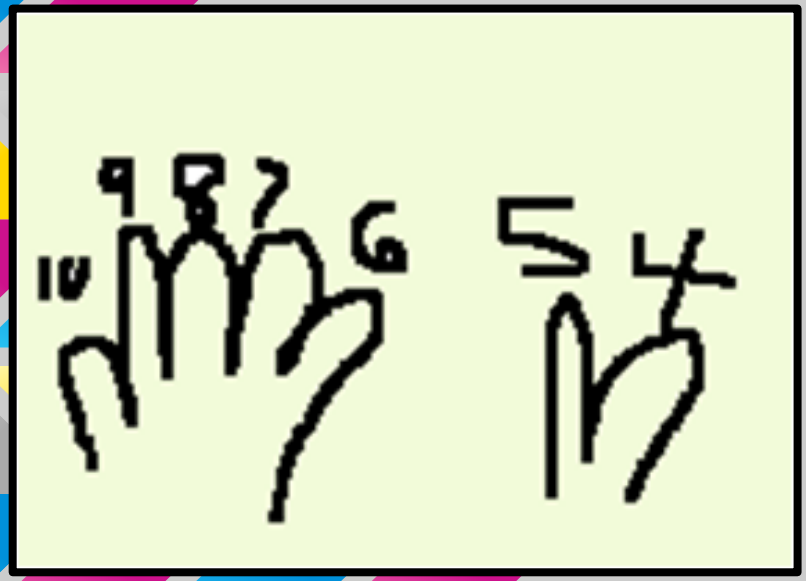
Counting On

There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

There are 7 apples on the table. At the end, I have 11. I count starting at seven and hold up a finger for each number until I reach 11: 8, 9, 10, 11. Terry bought 4 more apples.

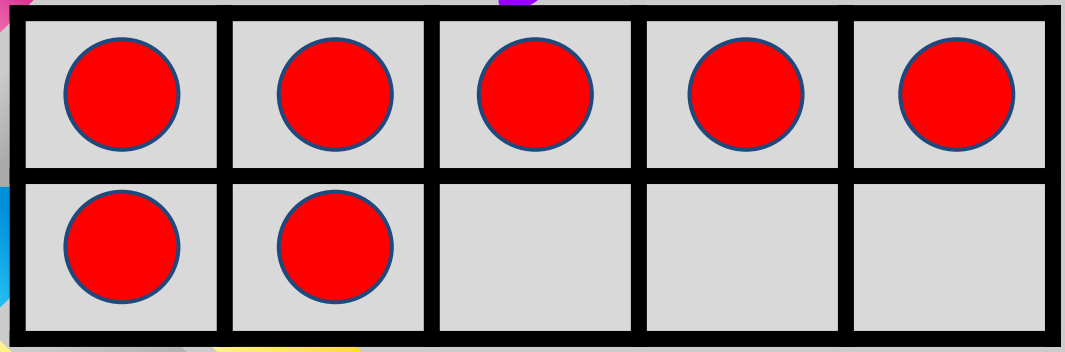
Counting Back

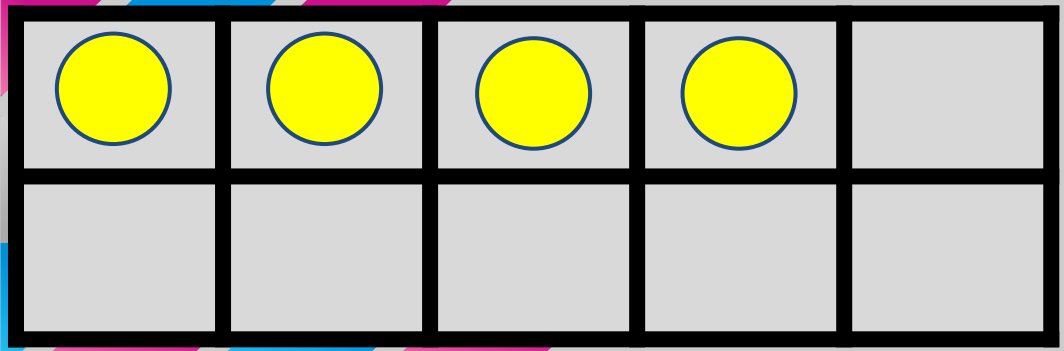
There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?



Begin with 11. Then count back 7 numbers: 10, 9, 8, 7, 6, 5, 4. As I counted backwards, I held up 7 fingers and put a finger down each time I said a number after 11 until all my fingers were gone.

Making 10





There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

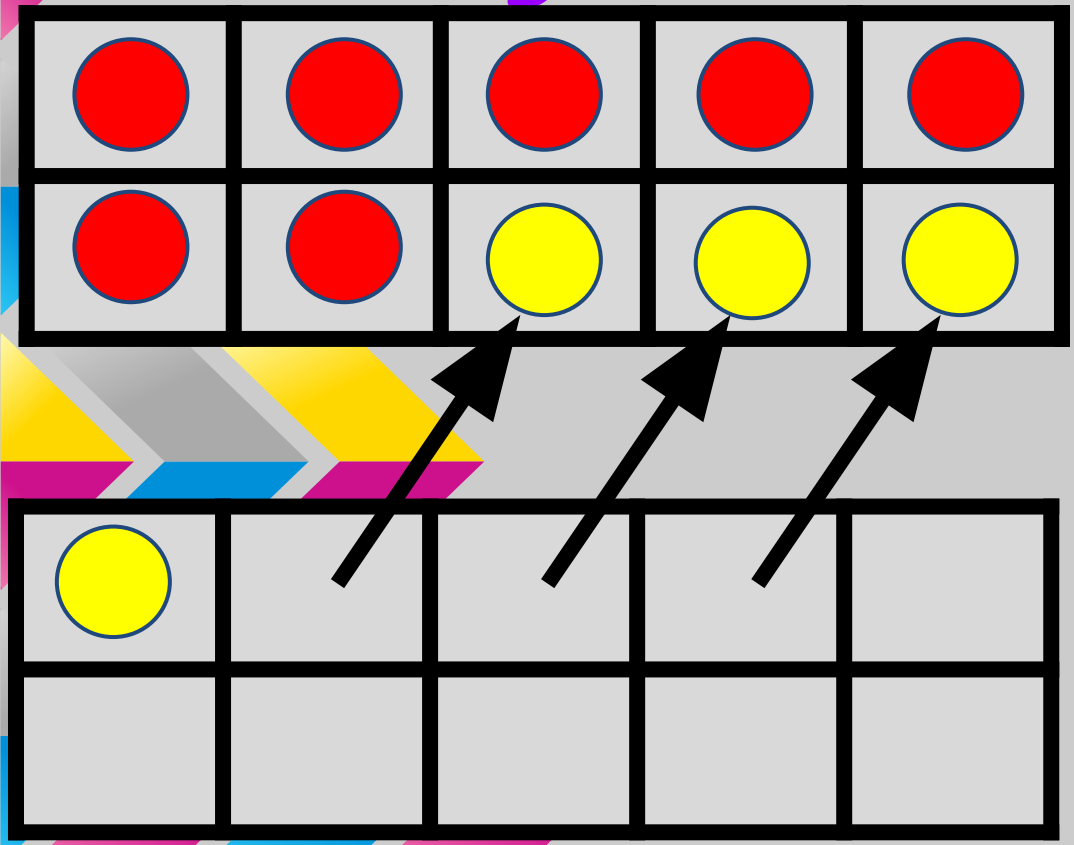
$$7 + ___ = 11$$

$$7 + 3 = 10$$

$$10 + 1 = 11$$

$$3 + 1 = 4$$

Making 10



There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

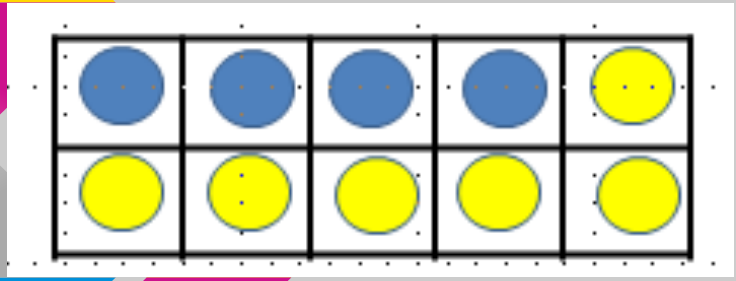
$$7 + ___ = 11$$

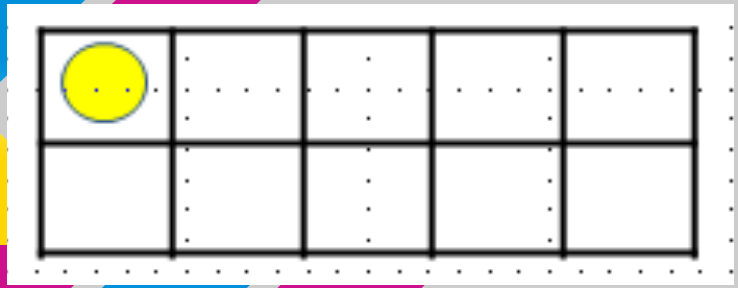
$7 + 3 = 10$

$10 + 1 = 11$

$3 + 1 = 4$

Back Down Through 10





There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

I put 11 counters on the ten frames. I take one off the second ten frame, which gives me 10. Then I take 6 off the first frame. Now I have 4 on the ten frame.

Think Addition

There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

Seven and what makes 11?

I know that $7 + 4 = 11$.

So $11 - 7 = 4$.

Internalized Fact

There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

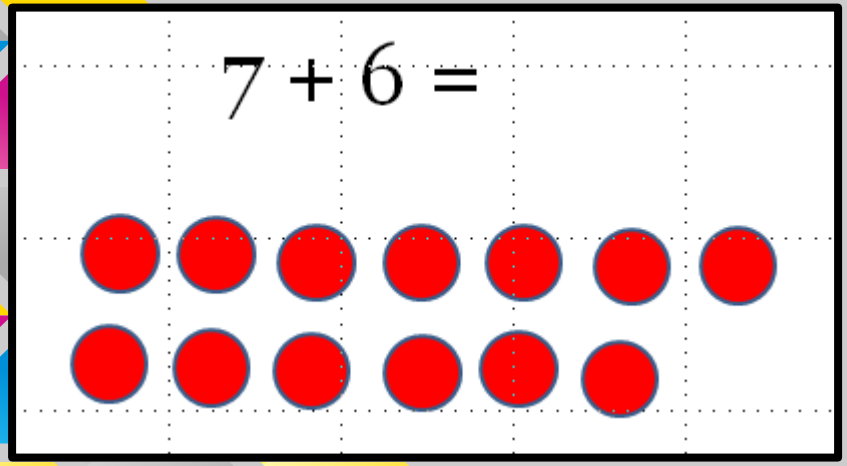
$7 + _ = 11$

It's 4. I know that 7 + 4 equals 11.

Seven apples were on the table. Jeremiah put six more apples on the table. How many apples are on the table?

Counting All

Seven apples were on the table. Jeremiah put six more apples on the table. How many apples are on the table?



I put 7 counters on the table.

Then I put 6 more on the table.

I counted them all and got 13.

There are 13 apples on the table.

Doubles
Doubles + 1 or 2

Doubles

7 + 7 = 14

Doubles +/- 1 or 2

7 + 6 =

6 + 6 = 12 and one more is 13

7 + 7 = 14 and one less is 13

Seven apples were on the table. Jeremiah put six more apples on the table. How many apples are on the table?

1st Grade Problem Types

Join/Separate	*"Result unknown"*	*"Change unknown"*	*"Start unknown"*
Join	Joey bought two rocks for his collection on Monday. On Tuesday, he bought four more. How many rocks did Joey buy? 2 + 4 = ?	Joey bought two rocks for his collection on Monday. On Tuesday, he bought some more. Now he has 6. How many did Joey buy on Tuesday? 2 + ? = 6	Joey bought some rocks for his collection on Monday. On Tuesday, he bought four more. Now he has 6. How many did Joey buy on Monday? ? + 4 = 6
Separate	Joey had 6 rocks in his collection. He gave two to his mom. How many rocks does Joey have now? 6 – 2 = ?	Joey had 6 rocks in his collection. He gave some to his mom. Now he has 4. How many rocks does Joey give to his mom? 6 – ? = 4	Joey had some rocks in his collection. He gave 2 to his mom. Now he has 4. How many rocks did Joey have to start with? ? – 2 = 4

Part-Part-Whole	*"Whole unknown"*	*"Part unknown"*
Part–Part–Whole	Joey has a collection of rocks. 2 are black rocks and 4 are white rocks. How many rocks does Joey have in his collection? **2 + 4 = ?** Part | Part Whole = ?	Joey has a collection of 6 rocks. 2 are black rocks and the rest are white rocks. How many rocks does Joey have in his collection? **2 + ? = 6** Part | ? Whole

Compare	*"Difference unknown"*	*"Quantity unknown"*	*"Referent unknown"*
Compare	Joey had 6 rocks. Lauren had 4 rocks. How many more rocks does Joey have than Lauren? **6 – 4 = ?** **4 + ? = 6**	Lauren had 4 rocks. Joey had 2 more rocks than Lauren. How many rocks does Joey have? **4 + 2 = ?**	Joey had 6 rocks. He had 2 more than Lauren. How many rocks does Lauren have? **? + 2 = 6** **6 – 2 = ?**

Let's try one!

See how many strategies you can use to solve the problem.

Miguel had 8 marbles. Then Jose gave him some more marbles. Miguel has 17 marbles now. How many marbles did Jose give him?