The slide features a dark blue background with white text. On the left and right sides, there are decorative patterns of overlapping, colorful geometric shapes (triangles and parallelograms) in shades of yellow, pink, blue, and grey, pointing towards the center. The text is arranged in three lines, centered horizontally.

Word Problem Prep

C.U.B.E.S

CIRCLE THE
NUMBERS

UNDERLINE
THE **M**ATH
ACTION
WORDS

BOX THE
LABEL

EEVALUATE
WHAT
STEPS TO
TAKE

SOLVE &
CCHECK ✓

Math Action Words

both plus
altogether

in all
more
add

**Addition
Words**

total
sum
join

combined
increase

minus leave difference less
remain **Subtraction** fewer
decrease **Words** less than
how much more take away

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?

C.U.B.E.S

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?



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

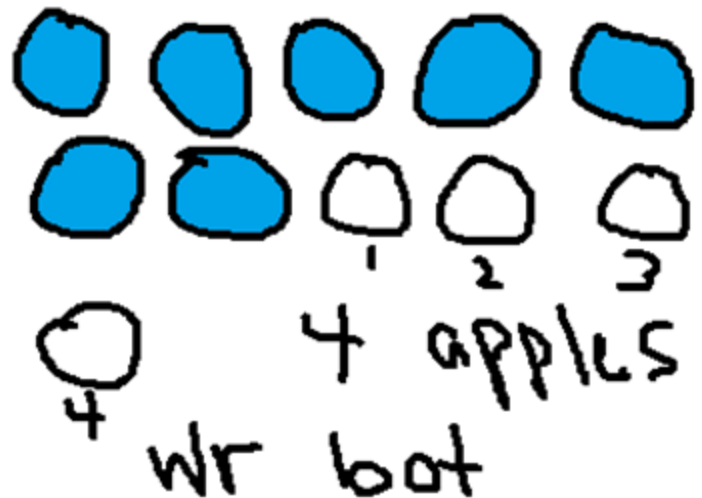
- Number Line
- 120 Chart
- Number Path
- Tens Frame
- Math Mountain
- Dot Array

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

$$7 + \square = 11$$

24

$7 + 4 = 11$

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?

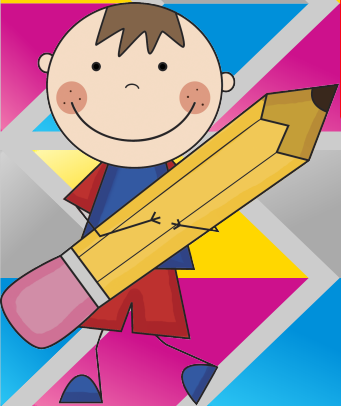
$$11 - 7 = 4$$

~~0000~~
~~0000~~
~~0~~

Mental Math

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

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?



Counting On

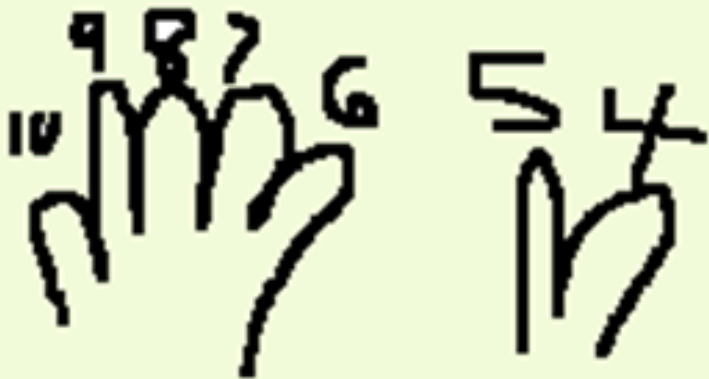


There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

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.

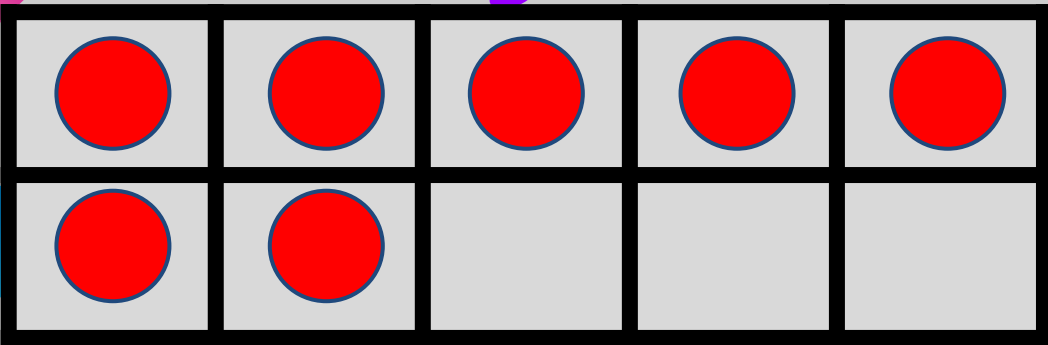
Counting Back

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?



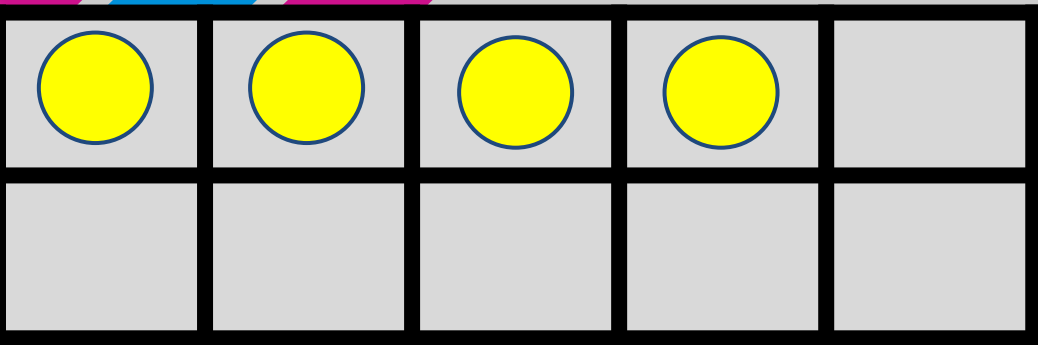
Begin with 11. Then count back 7 numbers: 10, 9, 8, 7, 6, 5, 4. As I counted backwards, I held up 7 fingers and put a finger down each time I said a number after 11 until all my fingers were gone.

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?

$$7 + \underline{\quad} = 11$$



$$7 + 3 = 10$$

$$10 + 1 = 11$$

$$3 + 1 = 4$$

Making 10

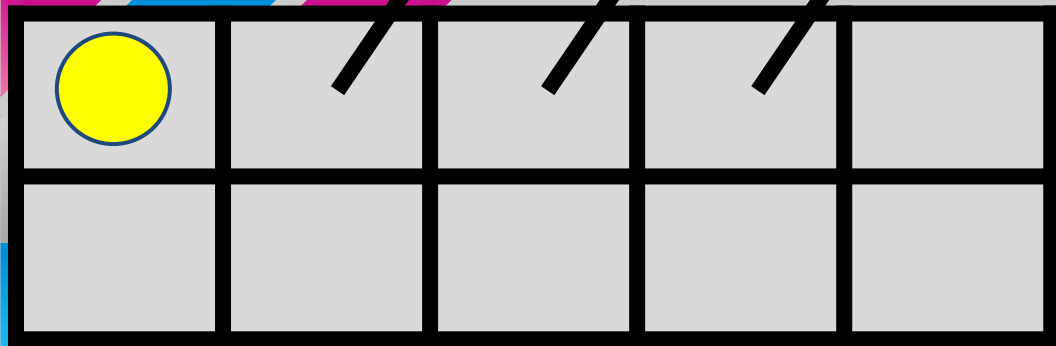
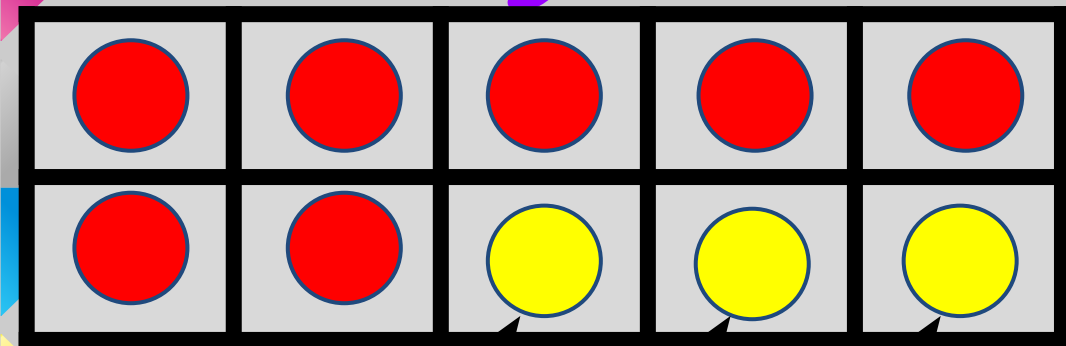
There are seven apples on the table. Terry bought some more apples. Now there are eleven apples on the table. How many apples did Terry buy?

$$7 + \underline{\quad} = 11$$

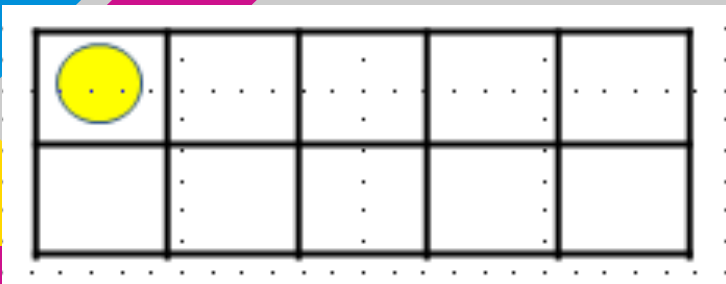
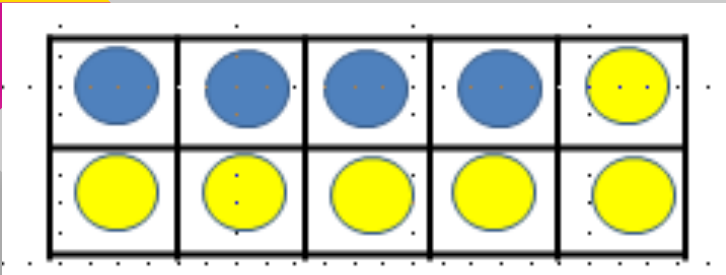
$$7 + 3 = 10$$

$$10 + 1 = 11$$

$$3 + 1 = 4$$



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

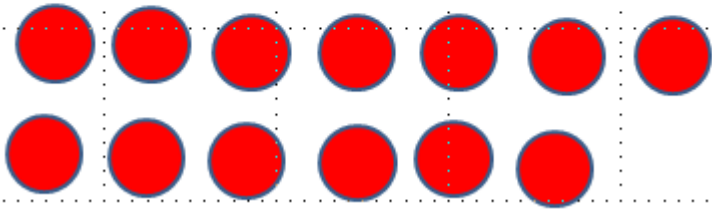
table. Jeremiah put six more

apples on the table. How many

apples are on the table?

Counting All

$$7 + 6 =$$



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

$$7 + 7 = 14$$

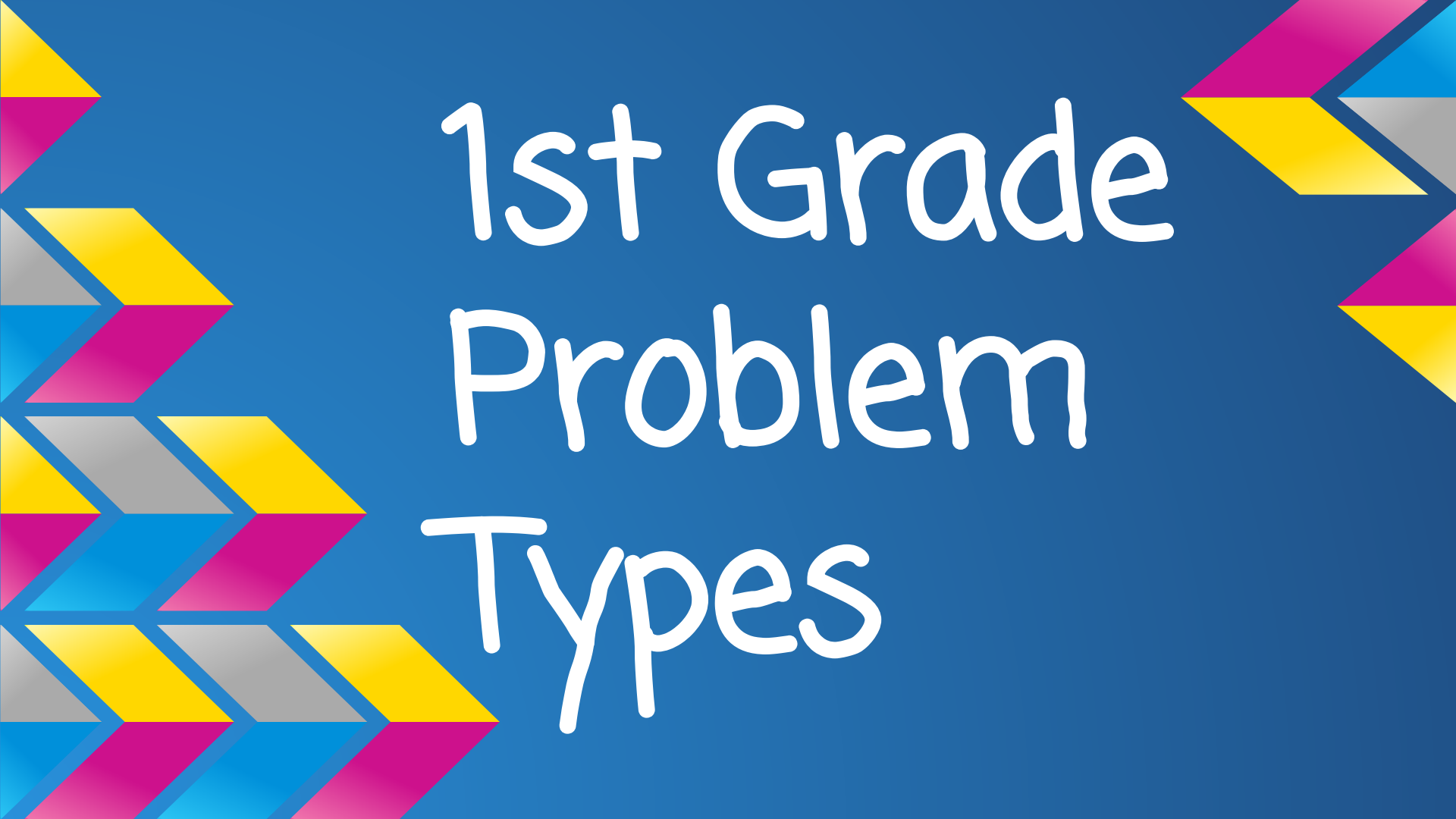
Doubles +/- 1 or 2

$$7 + 6 =$$

$$6 + 6 = 12 \text{ and one more is } 13$$

$$7 + 7 = 14 \text{ and one less is } 13$$

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

The slide features a dark blue background with decorative geometric patterns on the left and right sides. These patterns consist of overlapping, colorful shapes in shades of yellow, magenta, cyan, and grey, arranged in a way that suggests movement or depth. The text is centered in the middle of the slide.

1st Grade Problem Types

Join/Separate	<i>"Result unknown"</i>	<i>"Change unknown"</i>	<i>"Start unknown"</i>
Join	<p>Joey bought two rocks for his collection on Monday. On Tuesday, he bought four more. How many rocks did Joey buy?</p> $2 + 4 = ?$	<p>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?</p> $2 + ? = 6$	<p>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?</p> $? + 4 = 6$
Separate	<p>Joey had 6 rocks in his collection. He gave two to his mom. How many rocks does Joey have now?</p> $6 - 2 = ?$	<p>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?</p> $6 - ? = 4$	<p>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?</p> $? - 2 = 4$

Part-Part-Whole	<i>"Whole unknown"</i>		<i>"Part unknown"</i>									
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? $2 + 4 = ?$	<table border="1" data-bbox="788 467 993 554"> <tr> <td>Part</td> <td>Part</td> </tr> <tr> <td colspan="2">Whole = ?</td> </tr> </table>	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? $2 + ? = 6$	<table border="1" data-bbox="1630 459 1835 543"> <tr> <td>Part</td> <td>?</td> </tr> <tr> <td colspan="2">Whole</td> </tr> </table>	Part	?	Whole	
Part	Part											
Whole = ?												
Part	?											
Whole												
Compare	<i>"Difference unknown"</i>	<i>"Quantity unknown"</i>		<i>"Referent unknown"</i>								
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?