

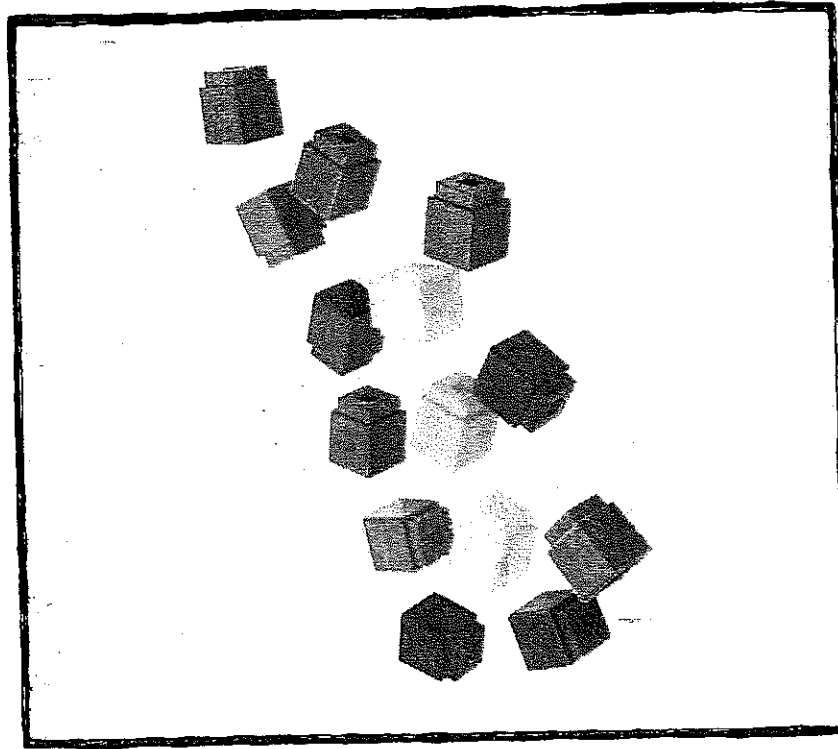


Snow Smart Math lessons

Day 3

What's the Difference?

A Reading A-Z Math Book • Grade 2
Word Count: 931

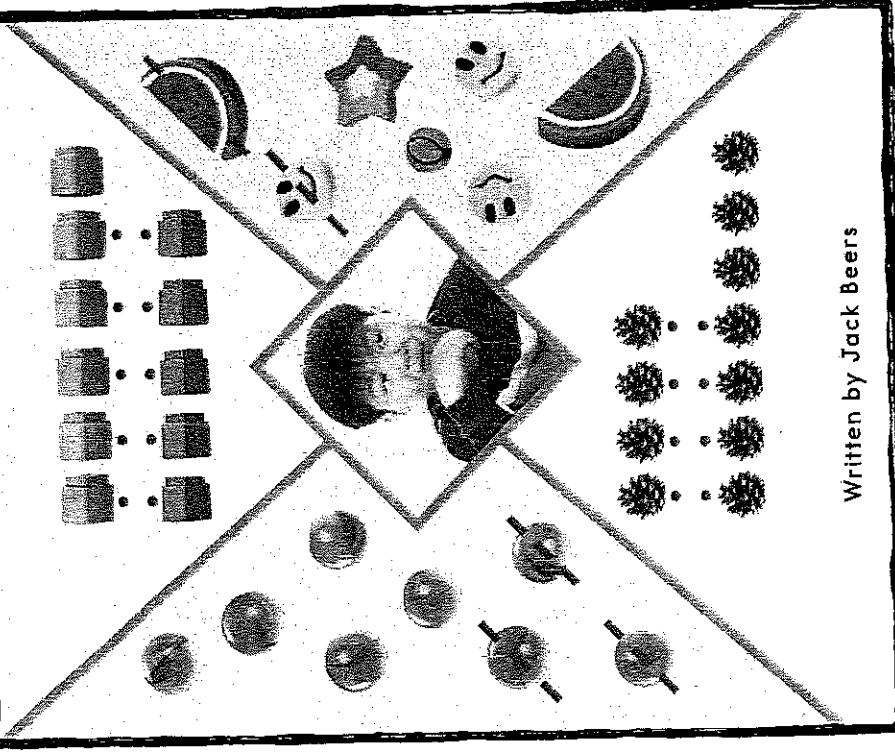


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Math Book • Grade 2

What's the Difference?



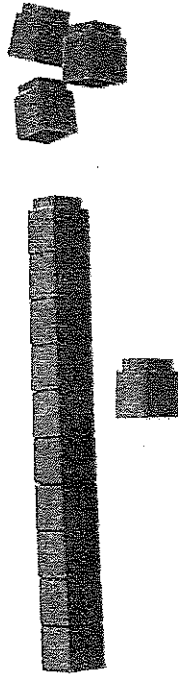
Written by Jack Beers

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The cubes are easier to count now!
You have 1 ten. You have 4 ones.
You have fourteen cubes in all.



Take away three cubes. These three cubes show the number of key chains that Lauren gives Phoebe.



How many tens do you have now?
How many ones?

You started with fourteen cubes, and you took three away. Now you have 1 ten and 1 one.

The difference is eleven.

You can write a subtraction sentence to tell what you did.

$$14 - 3 = 11$$

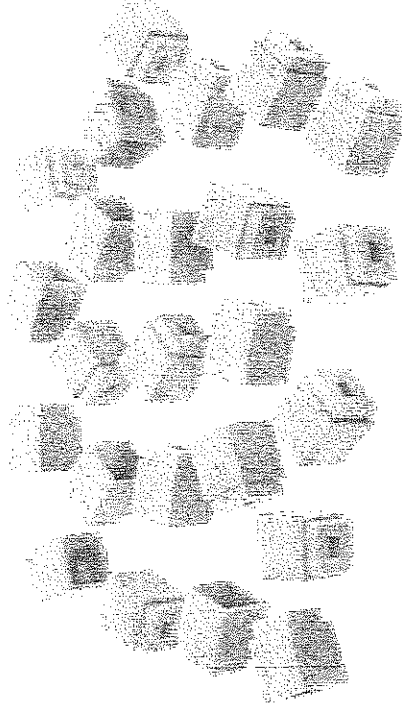
Lauren has eleven key chains left.

Take Away

Problem 2

Tanner collects seashells. He has twenty-four shells. He takes six shells to show to his after-school club's members. How many seashells does Tanner still have at home?

You can write the problem like this: $24 - 6 = ?$



Count out twenty-four orange cubes. Put ten cubes together. Can you make any more tens? How many ones will you have?

Compare

Problem 3

Destiny has fifteen marbles.

Tyler has twelve marbles.

How many more marbles does Destiny have than Tyler?

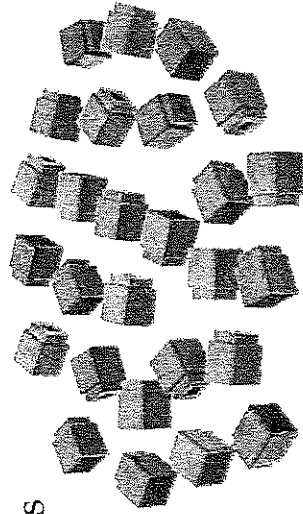
You can write the problem like this:

$$15 - 12 = ?$$

You can use cubes to compare the number of marbles that Destiny has with the number of marbles that Tyler has.

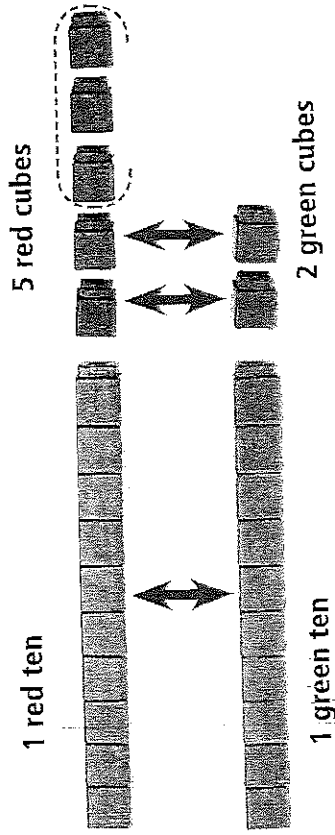
Use fifteen red cubes to show Destiny's marbles. Use twelve green cubes to show Tyler's marbles.

How many tens and ones can you make with each color?



Line up your cubes.

There is 1 red ten. There are five single red cubes. You have fifteen red cubes in all.



There is 1 green ten. There are two single green cubes. You have twelve green cubes in all.

You have 1 red ten and 1 green ten. You have five single red cubes. You have two single green cubes.

You can write the problem and answer like this:

$$15 - 12 = 3$$

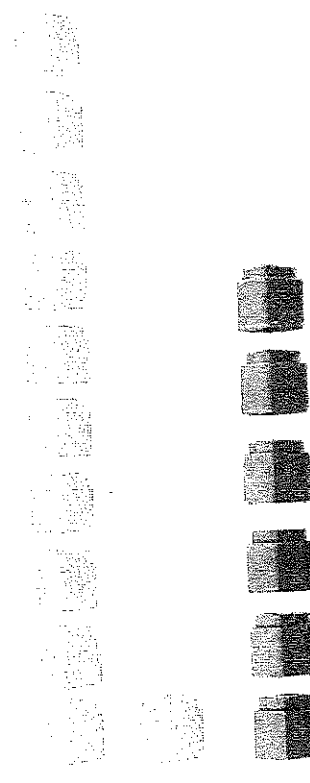
Destiny has three more marbles than Tyler.

How can you solve the problem?

1. First, you can regroup a yellow ten. Break one of your tens into single cubes.

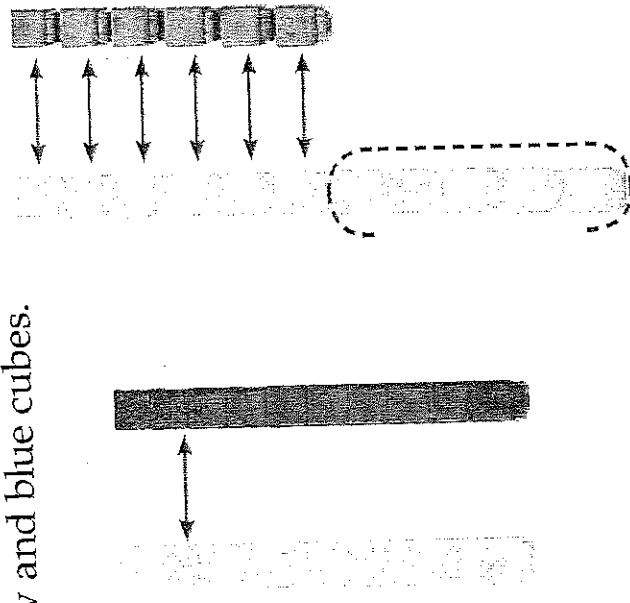


2. Now you have 1 yellow ten and 1 blue ten. You also have eleven single yellow cubes and six single blue cubes.



Compare the tens. You have one of each color.

Line up your single yellow and blue cubes. Compare the number of single yellow and blue cubes.



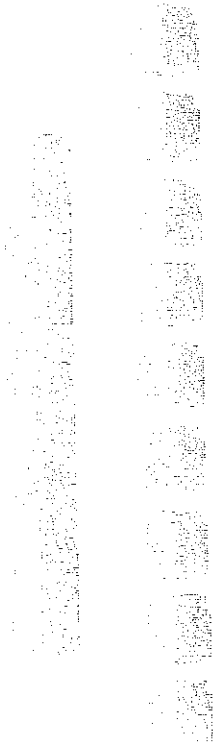
You compared twenty-one yellow cubes with sixteen blue cubes. The difference is five.

You can write the problem and answer like this:

$$21 - 16 = 5$$

Tony has five fewer erasers than Hayley.

Next, count just the yellow cubes.
Counting is easier if you make ten.



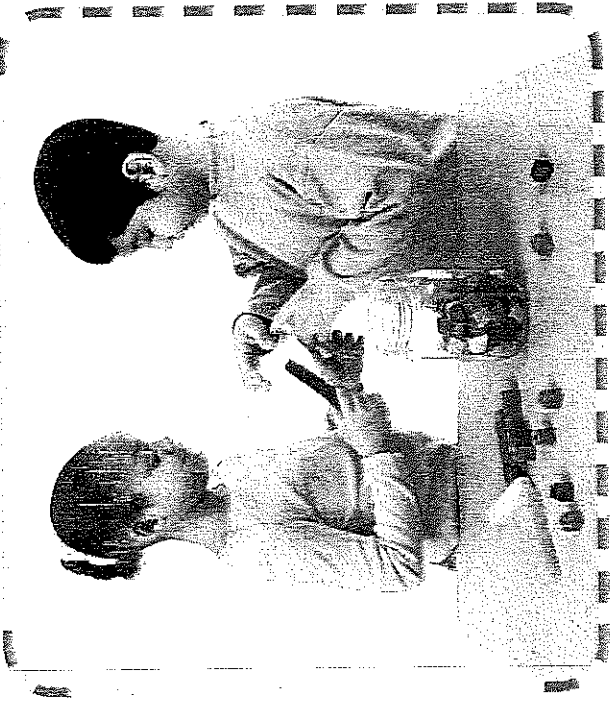
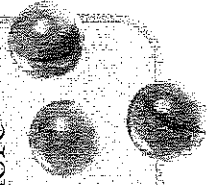
There are nineteen yellow cubes. These cubes show the missing part. Nineteen of the twenty-two students still have to bring in their collections.

You can use this subtraction sentence to write the problem and answer:

$$22 - 3 = 19$$



Three students have brought their collections to class. Mr. Jamison has twenty-two students. Nineteen more students need to bring in their collections. They'd better hurry!



Now it's your turn to write a problem that uses subtraction.

Work with a partner. Have your partner show you how to solve your problem with cubes. Your partner should also show the answer with a subtraction sentence.

Then it's your turn to solve your partner's problem!

