

Eureka Math

1st Grade Module 2 Lesson 12

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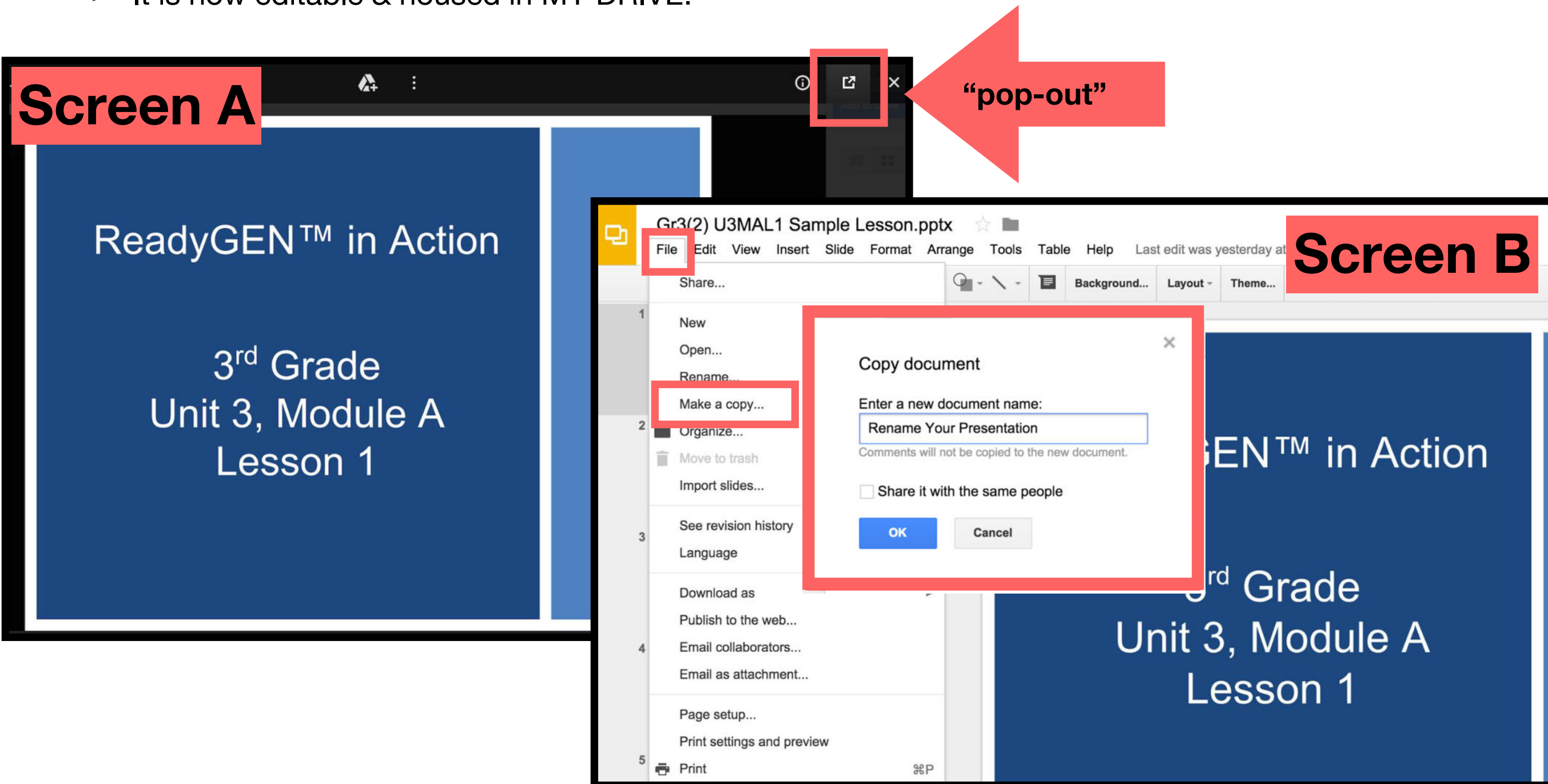


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Reflecting your Teaching Style and Learning Needs of Your Students

- When the Google Slides presentation is opened, it will look like Screen A.
- Click on the “pop-out” button in the upper right hand corner to change the view.
- The view now looks like Screen B.
- Within Google Slides (not Chrome), choose FILE.
- Choose MAKE A COPY and rename your presentation.
- Google Slides will open your renamed presentation.
- It is now editable & housed in MY DRIVE.



Icons



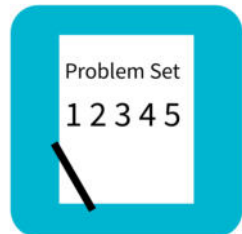
Read, Draw, Write



Learning Target



Personal White Board



Problem Set



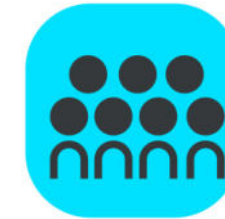
Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



Small Group Time



Materials Needed

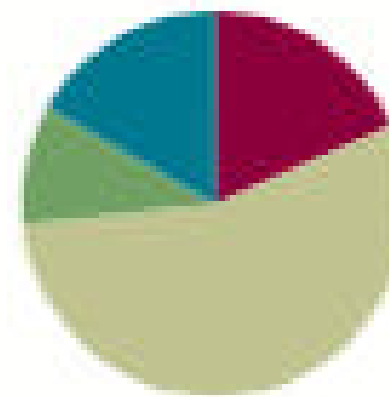
- (S) Personal white board
- (T) 5-group row cards (Fluency Template 1)
- (S) Personal white board with 5-group row insert
- (T) Chart paper

Lesson 12

Objective: Solve word problems with subtraction of 9 from 10.

Suggested Lesson Structure

Fluency Practice	(11 minutes)
Application Problem	(6 minutes)
Concept Development	(33 minutes)
Student Debrief	(10 minutes)
Total Time	(60 minutes)





Solve word problems with subtraction
of 9 from 10.



Teen Number Bonds

Let's now use our 5-group row template to make teen number bonds! I will give you a teen number. You will:

1. Draw more circles to show the number.
2. Say the number as a number bond with 10 as a part.
3. Draw lines to show the total of 12 from your circles.



5-Group Flash: Partners to Ten

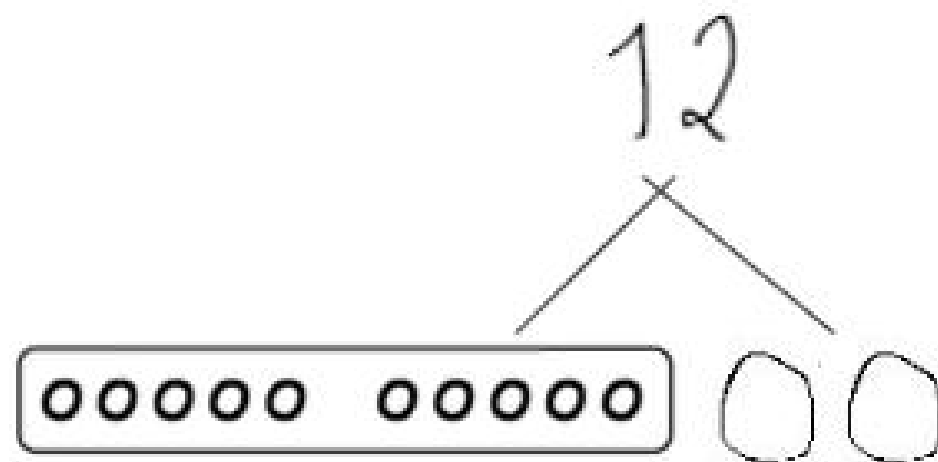
I will show you a 5-group row card! You say the number when I snap. When I snap again, say the partner to ten.



Teen Number Bonds

For example, if I say 12, you:

Draw this:

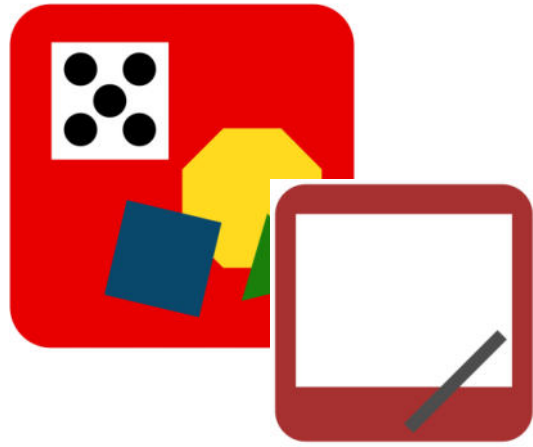


And say this: 10 and 2 make 12!



Application Problem

Claudia bought 8 red apples and 9 green apples.
How many apples does Claudia have altogether?
Make a math drawing, number sentence, and
statement to show your thinking.

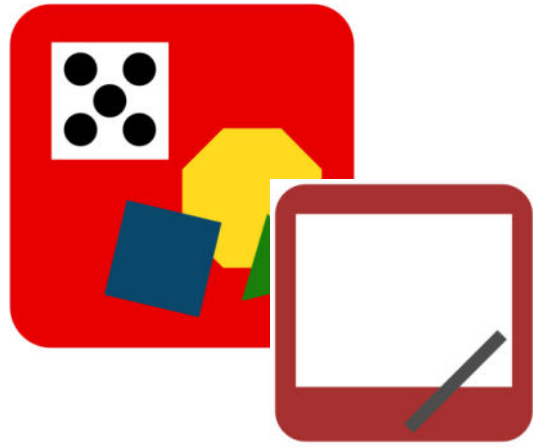


Concept Development

When Claudia brought home her 17 apples, she put 10 in a bowl and 7 on the table. Then, she decided to give 9 apples to her babysitter. How many apples did Claudia have left?



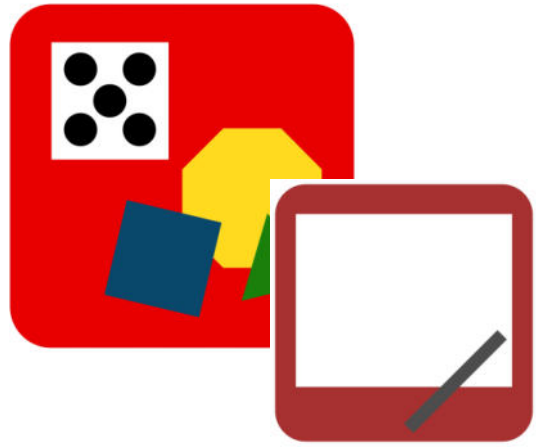
Solve the problem on your personal board, and talk with your partner about how you solved it.



Concept Development

When Claudia brought home her 17 apples, she put 10 in a bowl and 7 on the table. Then, she decided to give 9 apples to her babysitter. How many apples did Claudia have left?

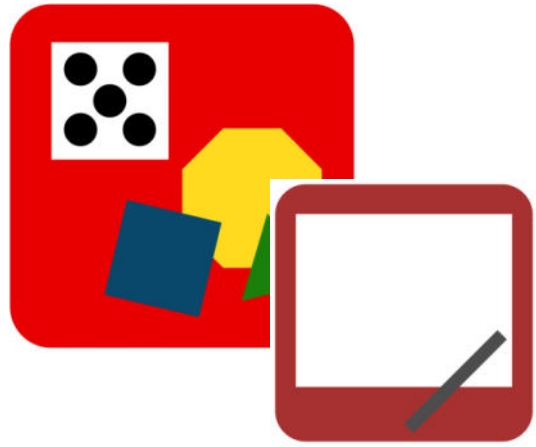
What strategies did you use?



Concept Development

When Claudia brought home her 17 apples, she put 10 in a bowl and 7 on the table. Then, she decided to give 9 apples to her babysitter. How many apples did Claudia have left?

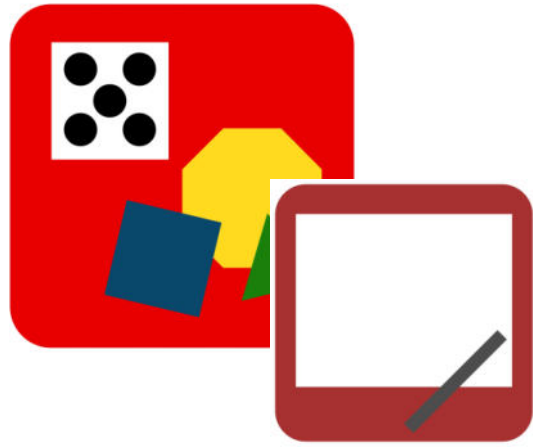
I heard these great ideas! I drew all of the apples and then crossed off the ones on the table and 2 more.



Concept Development

Let's all try another!

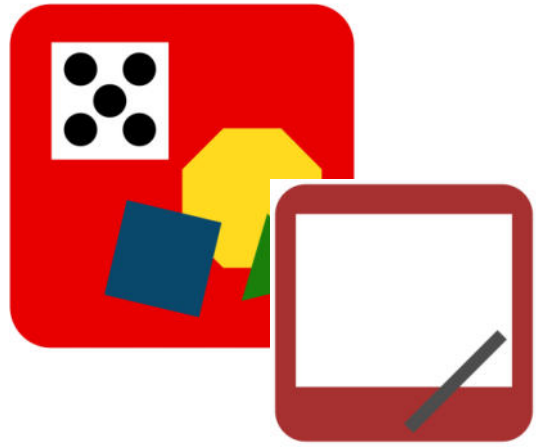
Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

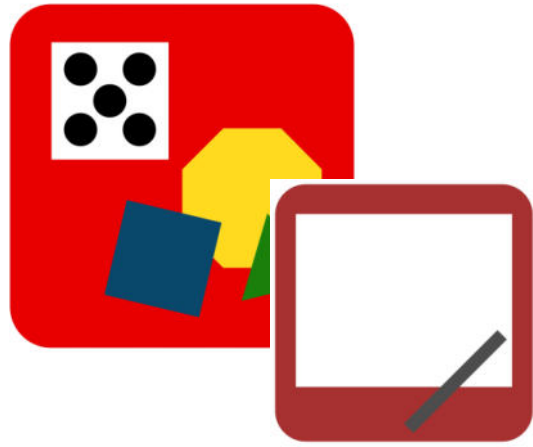
On your personal white board, draw how many carrots Bailey Bunny had in the basket, and label it.



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

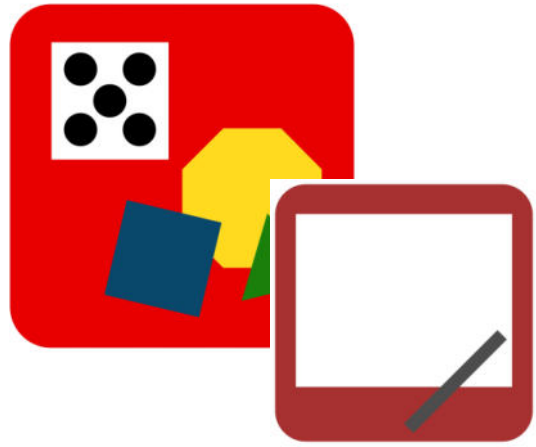
In the next row, draw the carrots that were on the plate, and label it.



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

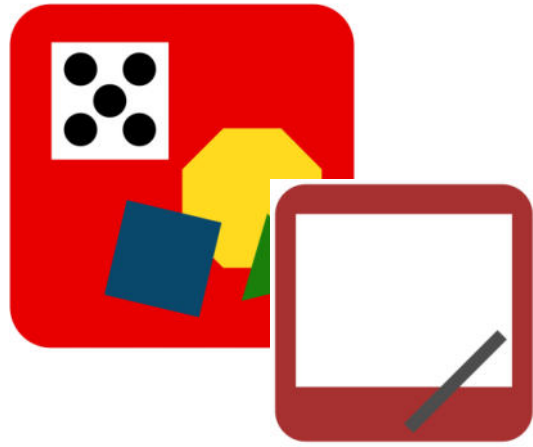
The problem says that she ate 9 carrots from the basket. What should we do?



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

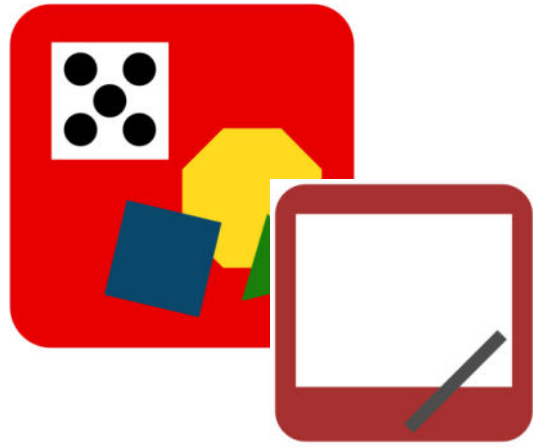
I heard some of you say we should cross off 9!
From where?



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

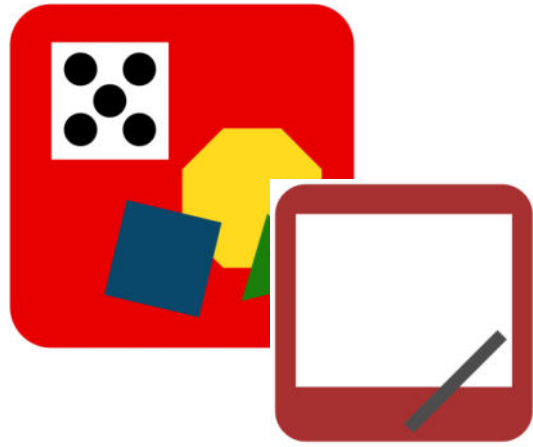
How many carrots are left in the basket?



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

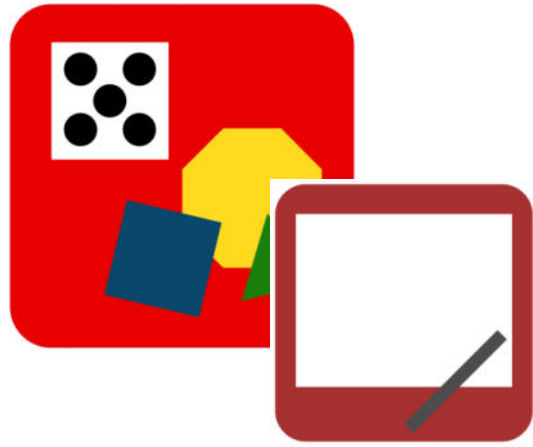
1 carrot is left in the basket!



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

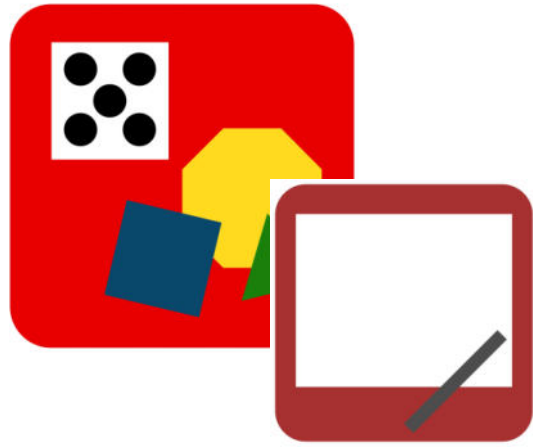
How many are left on the plate?



Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

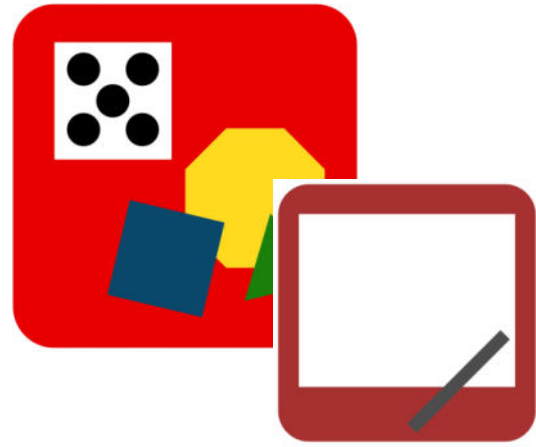
5 carrots are left from the plate!



Concept Development

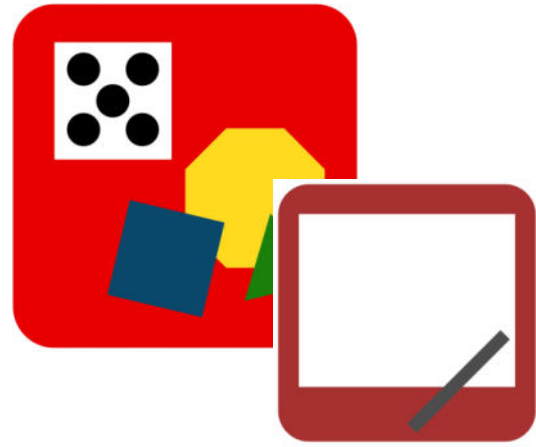
Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots. How many carrots were left?

Then, how many carrots are left in all?



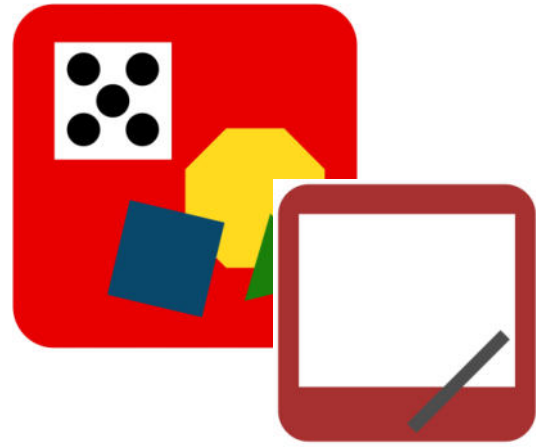
Concept Development

11 - 9



Concept Development

12 - 9



Concept Development

14 - 9

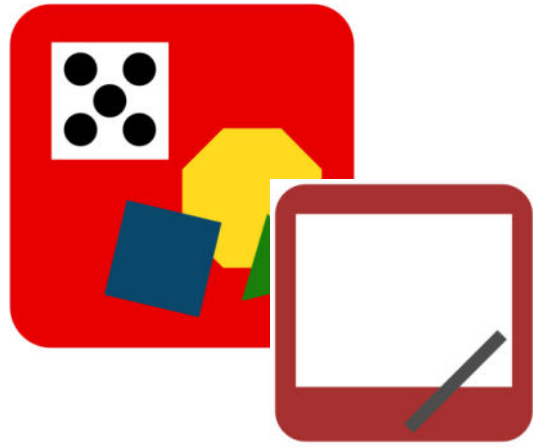


Concept Development

Let's record how we solved our story problem with a number bond.

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

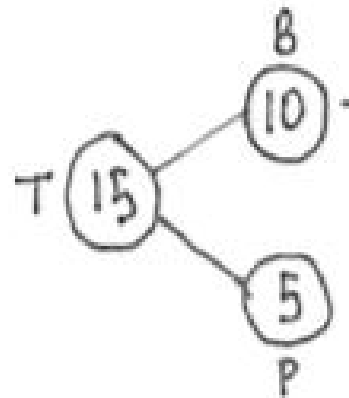
Draw a number bond to show Bailey Bunny's total number of carrots, the part in the basket, and the part on the plate.

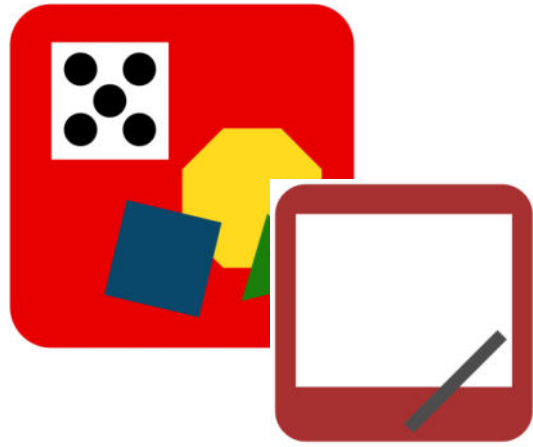


Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

Draw a number bond to show Bailey Bunny's total number of carrots, the part in the basket, and the part on the plate.

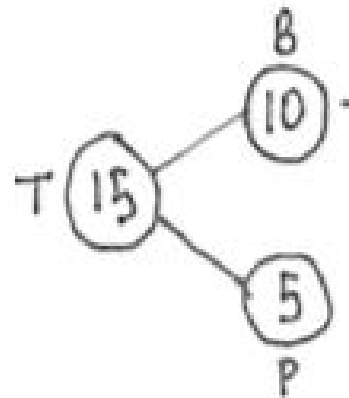


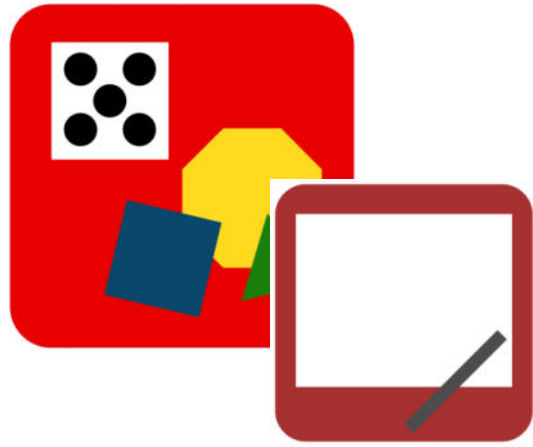


Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

Draw circles to show the different parts!

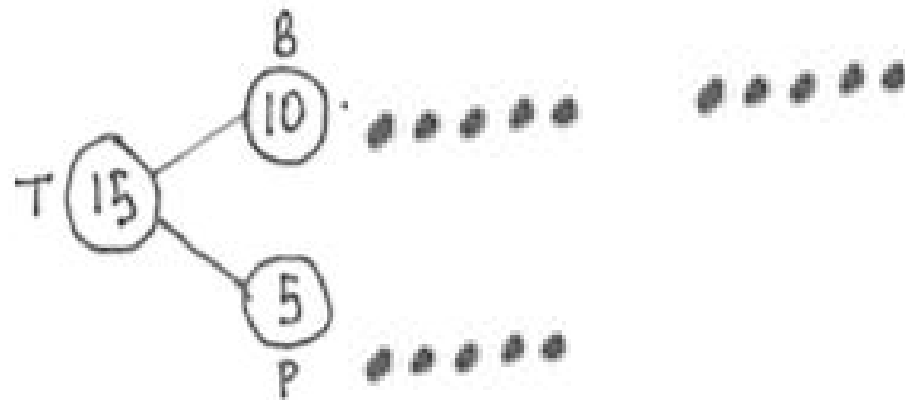


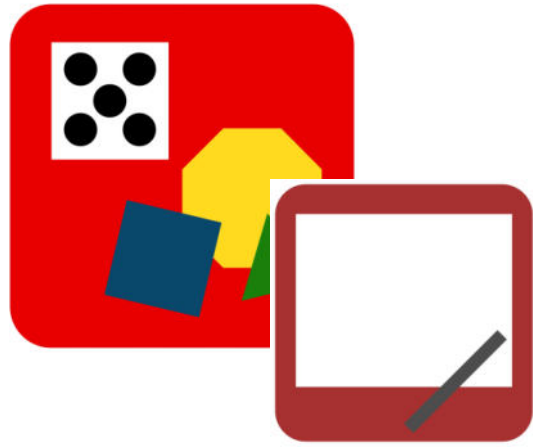


Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

Draw circles to show the different parts!

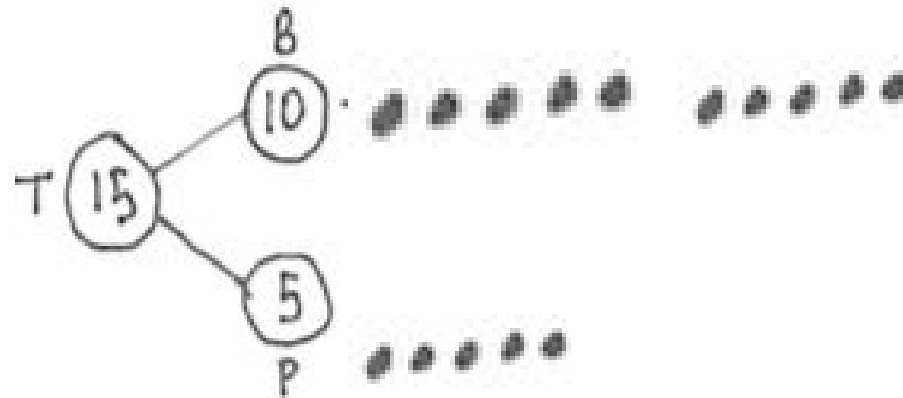


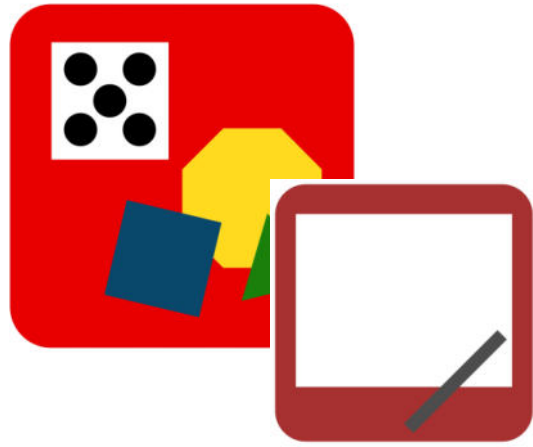


Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

What did we do next? Show in your picture.

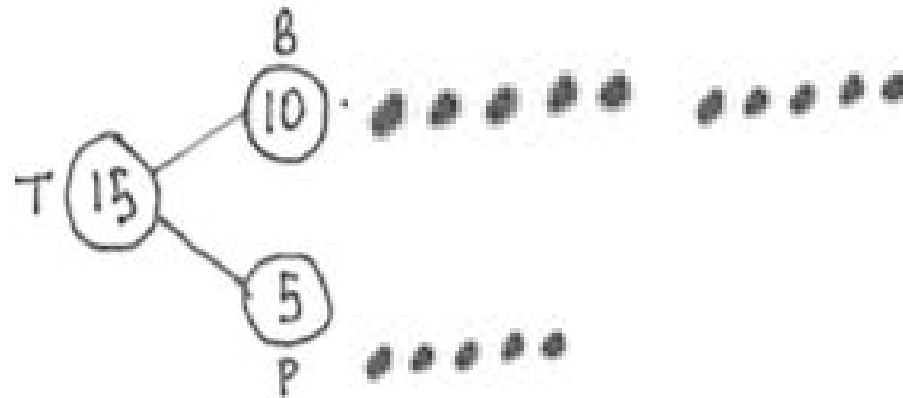


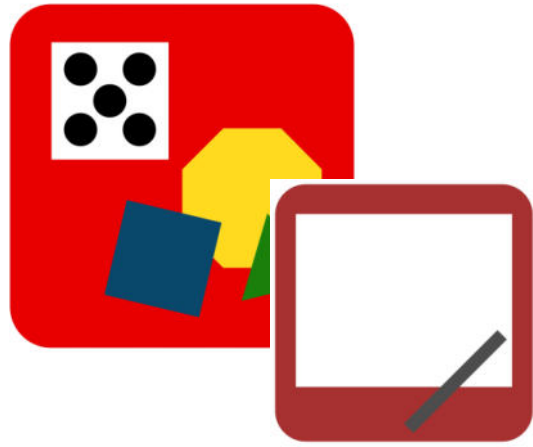


Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

What did we do next? Show in your picture.

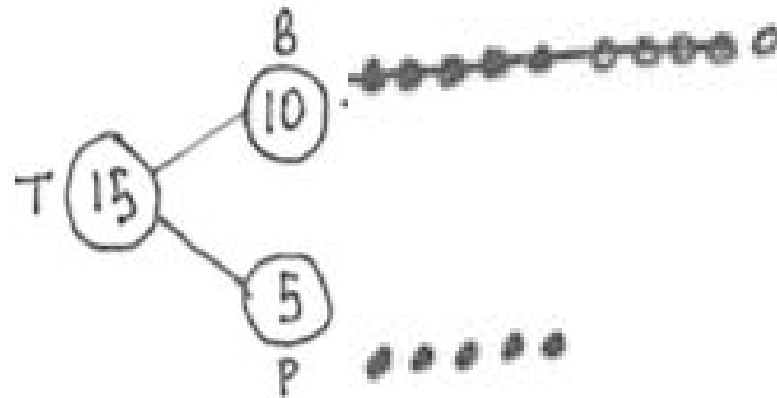


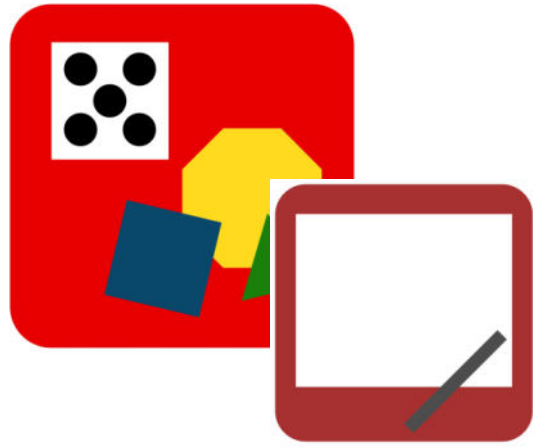


Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

Turn and talk to your partner about how you can find how many carrots are left.

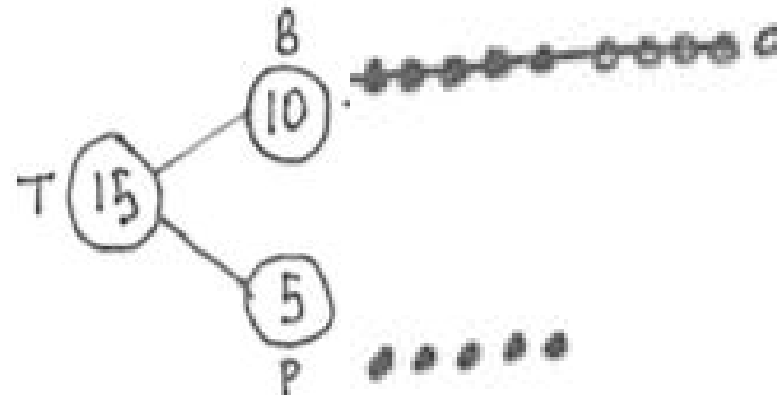




Concept Development

Bailey Bunny had 10 carrots in a basket and 5 on a plate. She ate 9 carrots from the basket. How many carrots were left?

Did anyone hear these ideas? I counted 1, 2, 3, 4, 5, 6. I didn't use the picture. I counted on. Niiine, 10, 11, 12, 13, 14, 15. That is 6 counts. I added 1 and 5. That's 6 carrots.

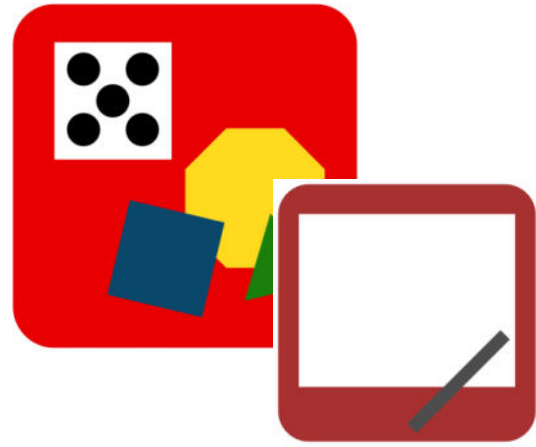




Concept Development

Let's practice more! We will make a number bond and circle drawing for each problem! I'll record our work on chart paper to use for the student debrief.

$$16 - 9$$



Concept Development

17 – 9



Concept Development

18 – 9

Problem Set

1 2 3 4 5

Problem Set

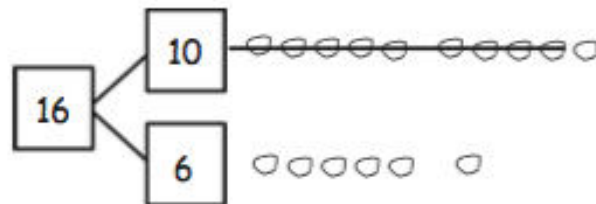
A STORY OF UNITS

Lesson 12 Problem Set 1•2

Name _____ Date _____

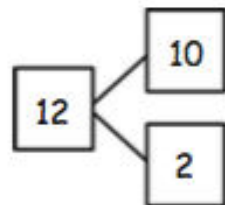
Make a simple math drawing. Cross out from the 10 ones or the other part in order to show what happens in the stories.

1. Bill has 16 grapes. 10 are on one vine, and 6 are on the ground. Bill eats 9 grapes from the vine. How many grapes does Bill have left?



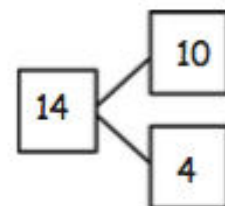
Bill has _____ grapes now.

2. 12 frogs are in the pond. 10 are on a lily pad, and 2 are in the water. 9 frogs hop off the lily pad and out of the pond. How many frogs are in the pond?



There are _____ frogs still in the pond.

3. Kim has 14 stickers. 10 stickers are on the first page, and 4 stickers are on the second page. Kim loses 9 stickers from the first page. How many stickers are still in her book?

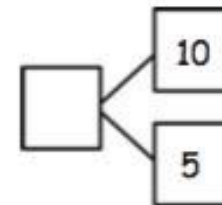


Kim has _____ stickers in her book.

A STORY OF UNITS

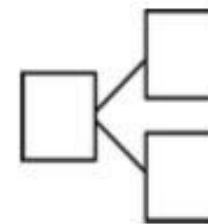
Lesson 12 Problem Set 1•2

4. 10 eggs are in a carton, and 5 eggs are in a bowl. Joe's father cooks 9 eggs from the carton. How many eggs are left?



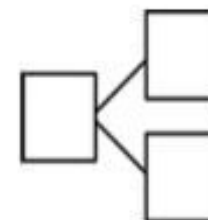
There are _____ eggs left.

5. Jana had 10 wrapped gifts on the table and 7 wrapped gifts on the floor. She unwrapped 9 gifts from the table. How many gifts are still wrapped?

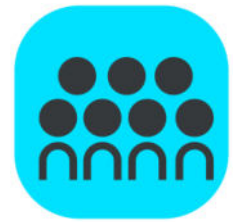


Jana has _____ gifts still wrapped.

6. There are 10 cupcakes on a tray and 8 on the table. On the tray, there are 9 vanilla cupcakes. The rest of the cupcakes are chocolate. How many cupcakes are chocolate?



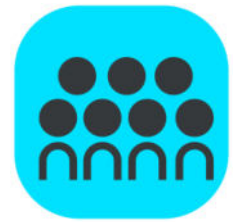
There are _____ chocolate cupcakes.



Debrief



- Look at your drawings on your Problem Set. What did you notice when we took away 9 for each problem?

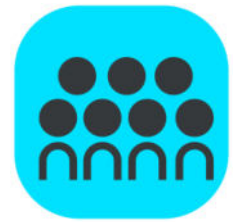


Debrief



- Look at the chart of work from the Concept Development. What do you notice about the answers to each of these questions?

Why do you think this is?



Debrief



How can solving Problem 3 help you solve Problem 4?

- After taking 9 from 10, how did you find the total amount left over? Which is the most efficient way to find out how many are left? Explain your thinking.
- Look at your Application Problem, and think about what Claudia did with the apples once she got home.. How are these problems similar? How are they different?



Exit Ticket

A STORY OF UNITS

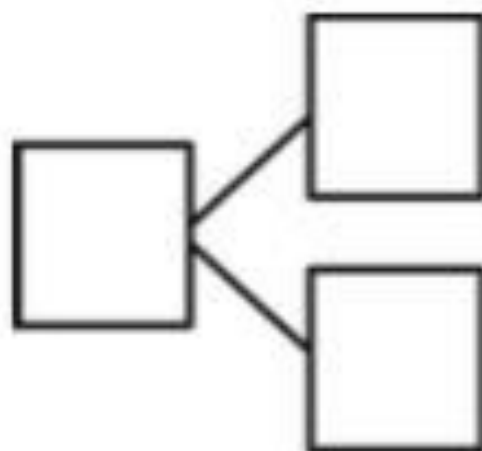
Lesson 12 Exit Ticket

1•2

Name _____ Date _____

Make a simple math drawing. Cross out from the 10 ones to show what happens in the story.

There were 16 books on the table. 10 books were about dinosaurs. 6 books were about fish. A student took 9 of the dinosaur books. How many books were left on the table?



There were _____ books left on the table.