

Eureka Math

1st Grade Module 6 Lesson 24

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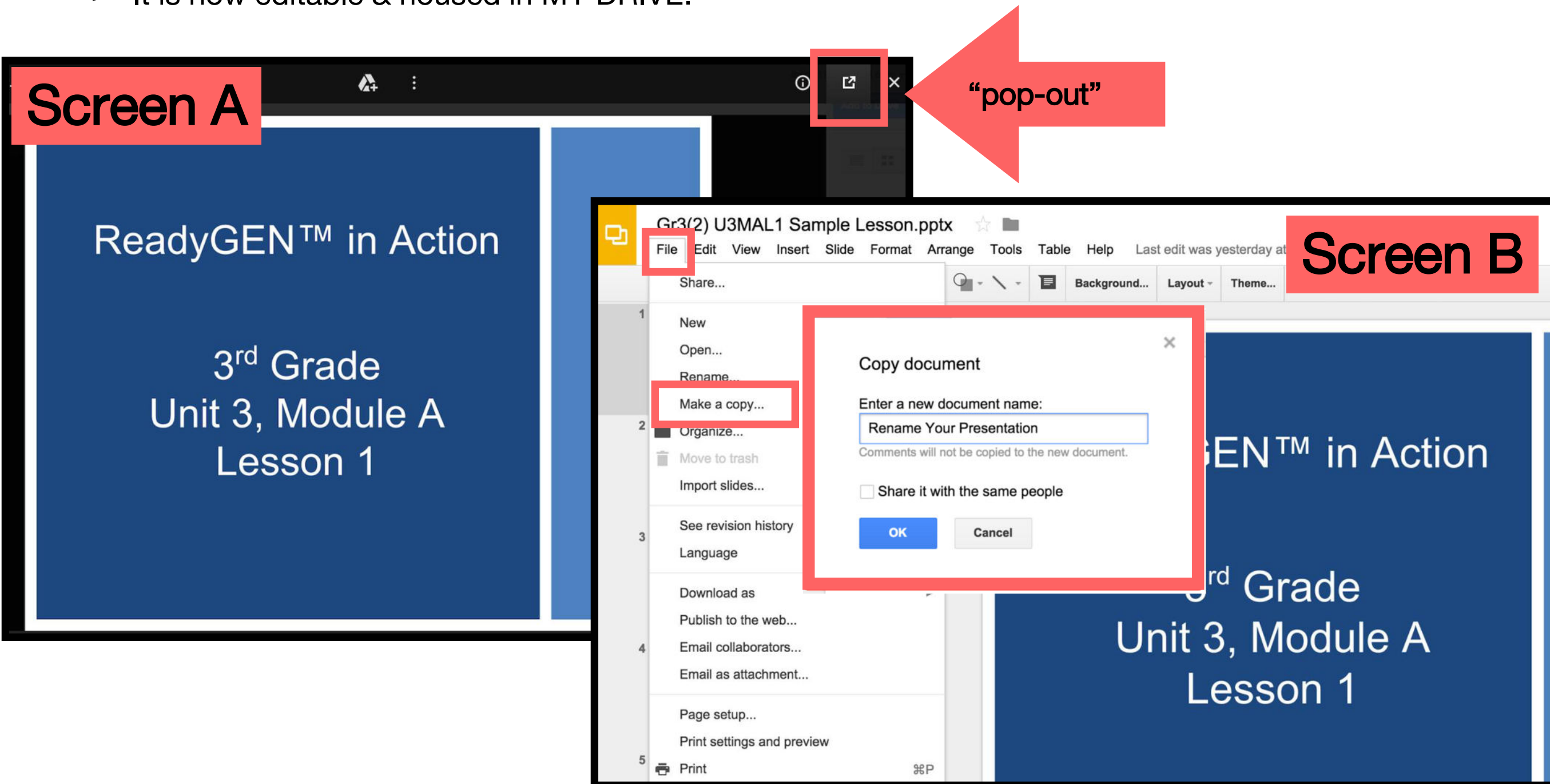


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Customize this Slideshow

Reflecting your Teaching Style and Learning Needs of Your Students

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Icons



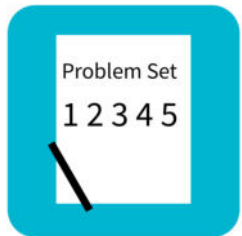
Read, Draw, Write



Learning Target



Personal White Board



Problem Set



Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



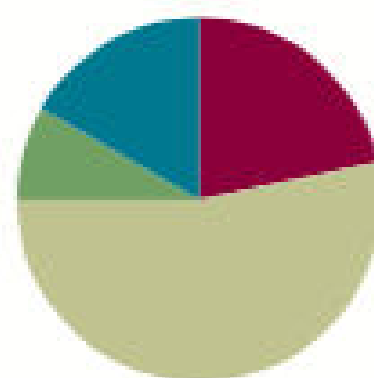
Small Group Time

Lesson 24

Objective: Use dimes and pennies as representations of numbers to 120.

Suggested Lesson Structure

■ Fluency Practice	(13 minutes)
■ Application Problem	(5 minutes)
■ Concept Development	(32 minutes)
■ Student Debrief	(10 minutes)
Total Time	(60 minutes)



Materials Needed

Teacher

- 12 dimes
- 10 pennies (plastic or real)

Student

- (S) Core Fluency Sprints (Lesson 3)
- 12 dimes
- 10 pennies (plastic or real)
- personal white board



I can count on using pennies from any single coin.

Core Fluency Differentiated Practice Sets



Let's do a core fluency sprint!



Standards Check: Place Value

Let's practice our place value!

Application Problem



There are 8 eggs in the carton.

Application Problem

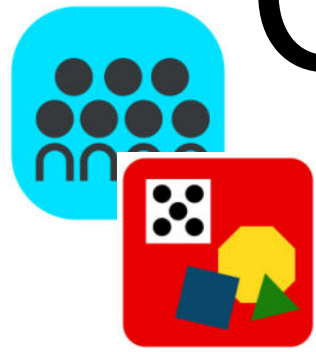
A green rounded square containing the white text "RDW".

There are 8 eggs in the carton. The carton can hold 12 eggs.

Application Problem

A green rounded square containing the white text "RDW".

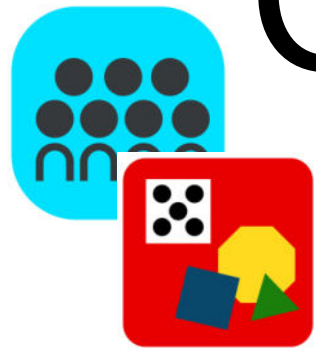
There are 8 eggs in the carton. The carton can hold 12 eggs. How many more eggs will fit in the carton?



Concept Development

80

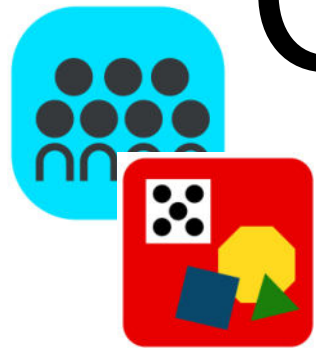
Use your coins to represent this number. Draw a matching place value chart on your personal white board.



Concept Development

80

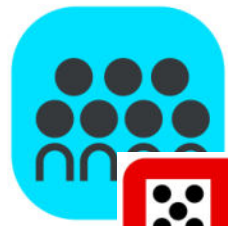
If I used only dimes to represent 80, how many dimes would I need?



Concept Development

80

If I used only dimes to represent 80, how many dimes would I need?

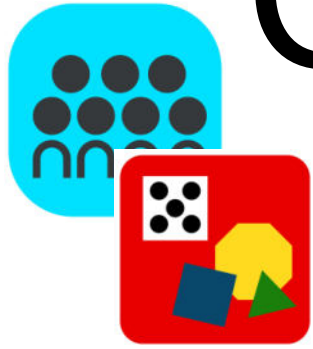


Concept Development

80

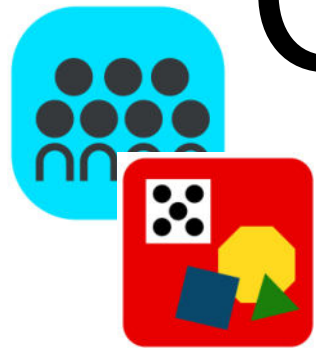
8 dimes!

Concept Development



80

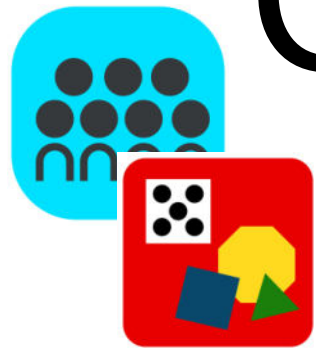
8 tens!



Concept Development

50

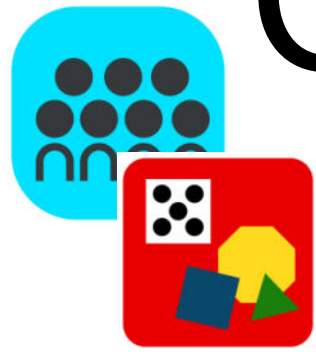
Use your coins to represent this number. Draw a matching place value chart on your personal white board.



Concept Development

50

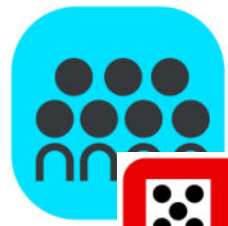
If I used only dimes to represent 50, how many dimes would I need?



Concept Development

50

If I used only dimes to represent 50, how many dimes would I need?

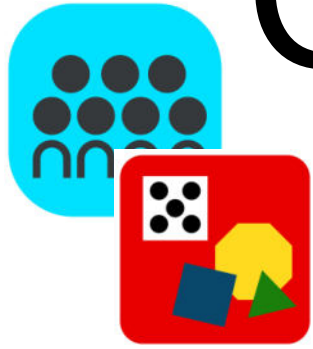


Concept Development

50

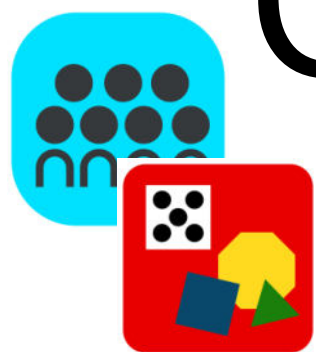
5 dimes!

Concept Development



50

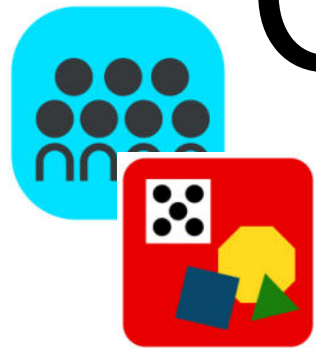
5 tens!



Concept Development

68

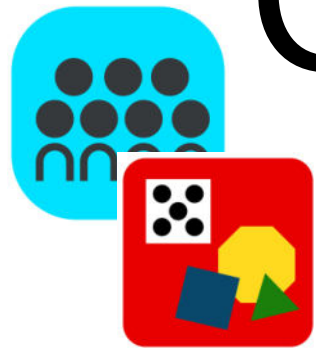
Use your coins to represent this number. Draw a matching place value chart on your personal white board.



Concept Development

82

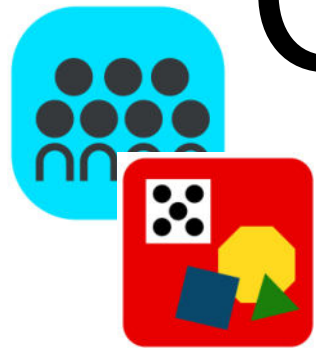
Use your coins to represent this number. Draw a matching place value chart on your personal white board.



Concept Development

90

Use your coins to represent this number. Draw a matching place value chart on your personal board.

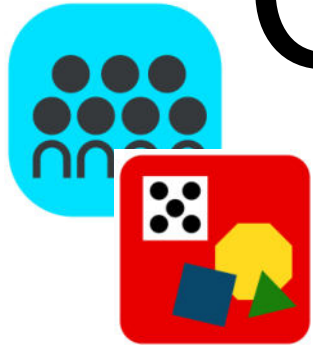


Concept Development

90

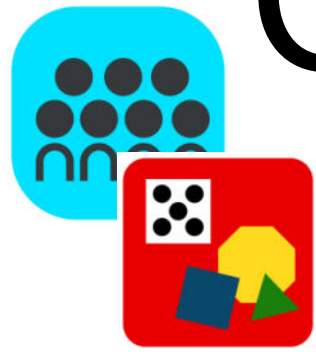
If I used only dimes to represent 90, how many dimes would I need?

Concept Development



90

9 dimes!

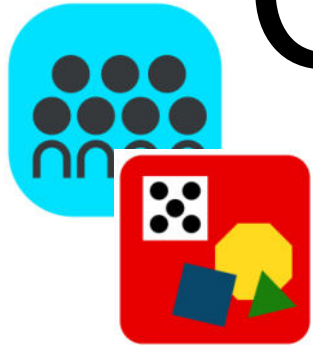


Concept Development

90

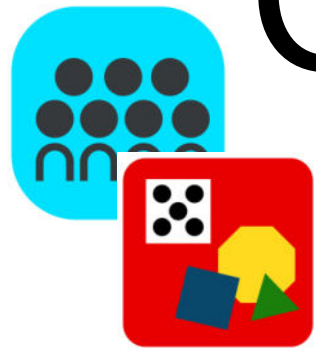
How many tens are in 90?

Concept Development



90

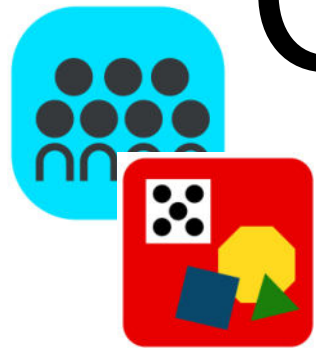
9 tens!



Concept Development

92

Use your coins to represent this number. Draw a matching place value chart on your personal white board.

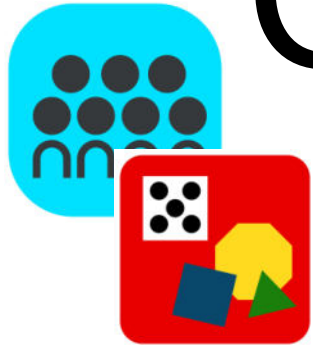


Concept Development

92

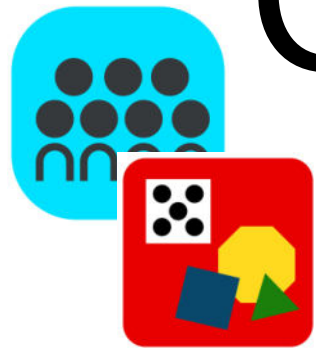
How many dimes would I
need?

Concept Development



92

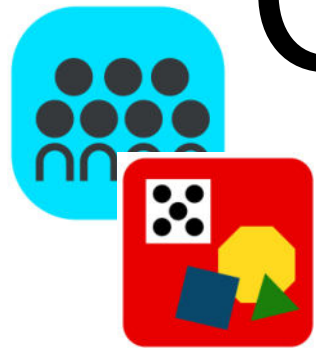
9 dimes!



Concept Development

92

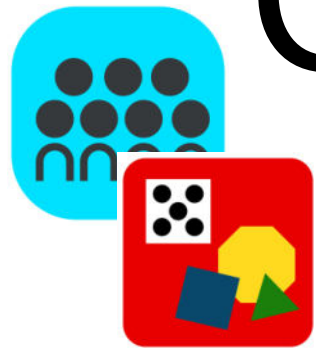
How many pennies?



Concept Development

92

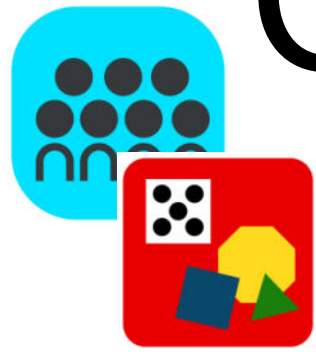
2 pennies!



Concept Development

92

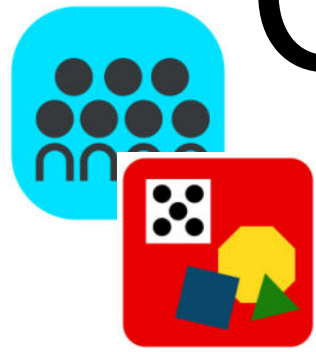
How many tens and how many ones is this?



Concept Development

92

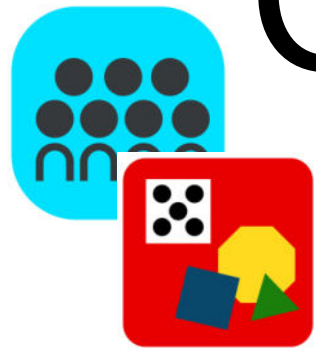
9 tens and 2 ones!



Concept Development

100

How many tens are in 100?
Use your dimes to show 100
cents.

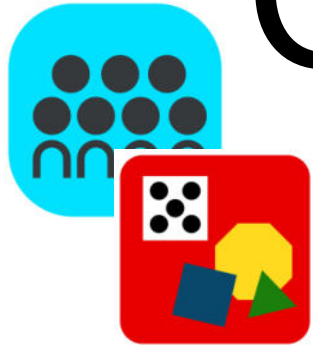


Concept Development

100

How many dimes did we use
to make 100 cents?

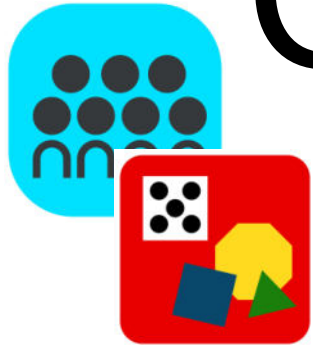
Concept Development



100

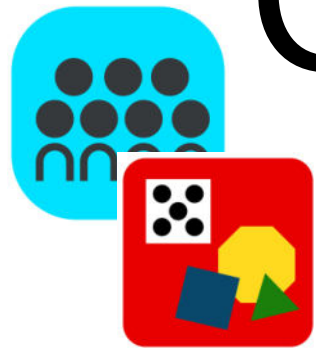
10 dimes!

Concept Development



100

10 dimes!

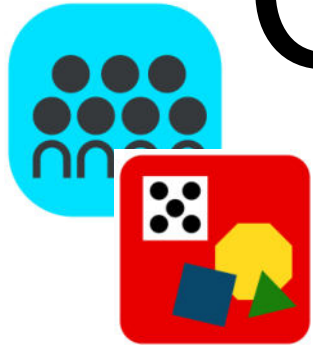


Concept Development

100

How many tens do you have?

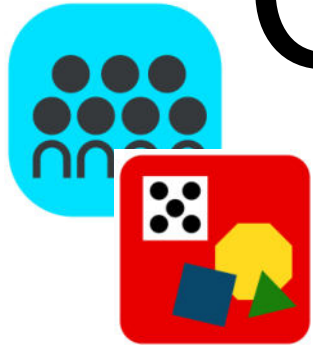
Concept Development



100

10 tens!

Concept Development

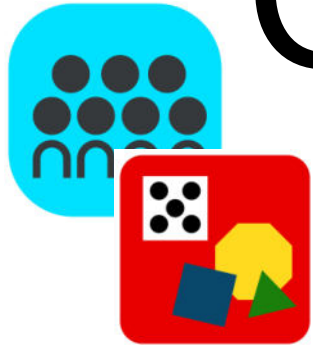


100

We have 10 tens. Do we need
any additional pennies?

tens	ones
10	

Concept Development

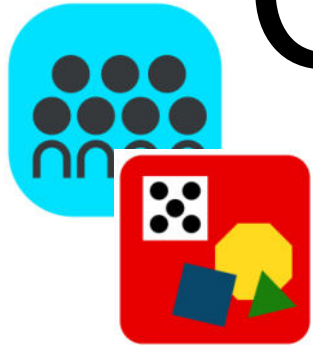


100

10 tens 0 ones is...?

tens	ones
10	0

Concept Development

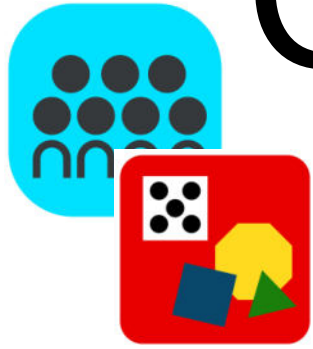


100

100!

tens	ones
10	0

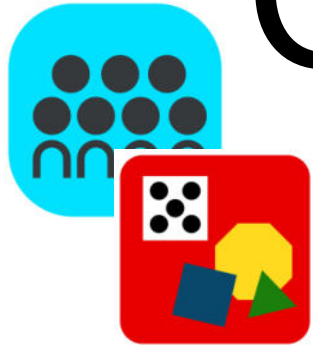
Concept Development



Let's add 1 more dime.

tens	ones

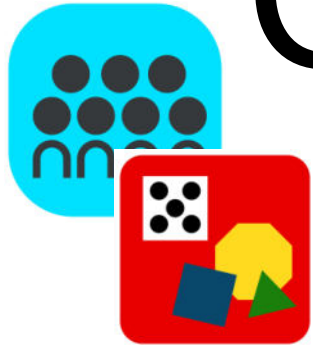
Concept Development



How many dimes do you have
now?

tens	ones

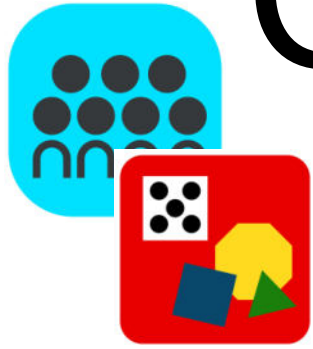
Concept Development



11 dimes!

tens	ones

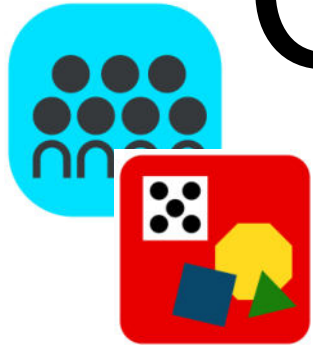
Concept Development



Draw a place value chart on your personal white board to show 11 tens 0 ones.

tens	ones

Concept Development

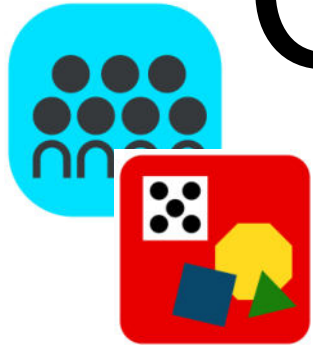


$$100 + 10$$

tens	ones
11	0

We added ten cents to one hundred cents. How many cents do we have now?

Concept Development

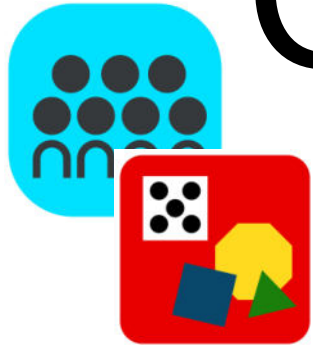


$$100 + 10$$

110 cents.

tens	ones
11	0

Concept Development

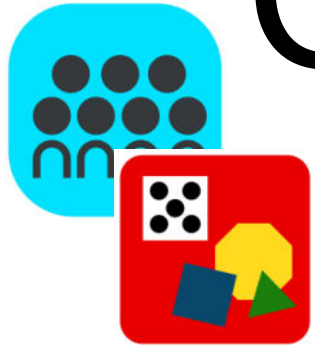


$$100 + 10$$

tens	ones
11	0

How many tens are in 110 cents?

Concept Development

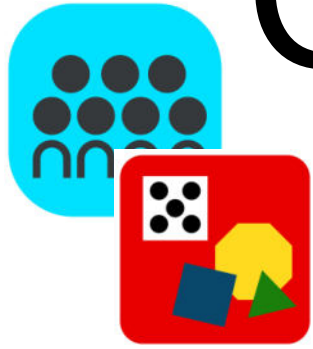


$$100 + 10$$

tens	ones
11	0

How many tens are in 110 cents?

Concept Development

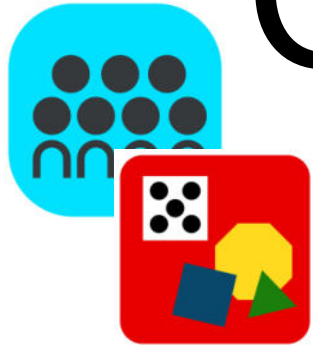


$$100 + 10$$

11 tens!

tens	ones
11	0

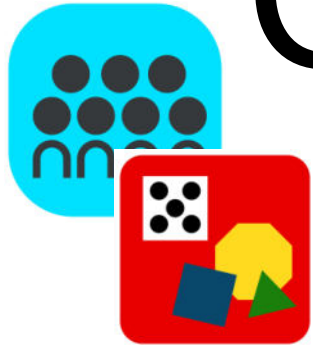
Concept Development



Let's add 1 more dime!

tens	ones

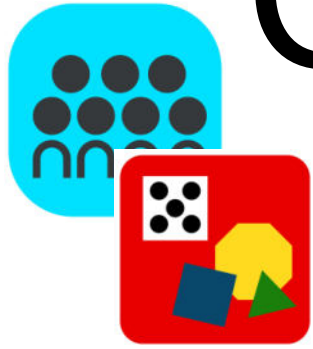
Concept Development



How many dimes do you have now?

tens	ones

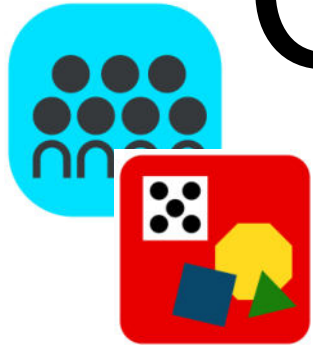
Concept Development



12 dimes!

tens	ones

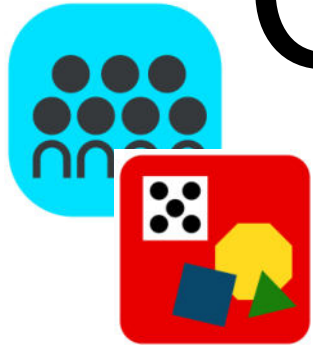
Concept Development



Draw a place value chart on your personal white board to show 12 tens 0 ones.

tens	ones

Concept Development

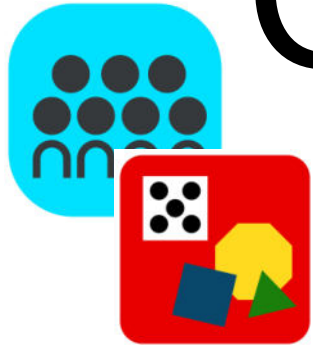


$$100 + 20$$

tens	ones
12	0

We had 100 cents. Then, we added 2 more dimes for 20 more cents. How many cents do we have now?

Concept Development

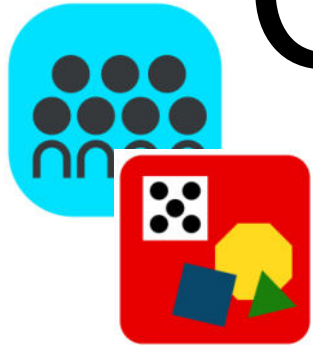


$$100 + 20$$

120 cents!

tens	ones
12	0

Concept Development

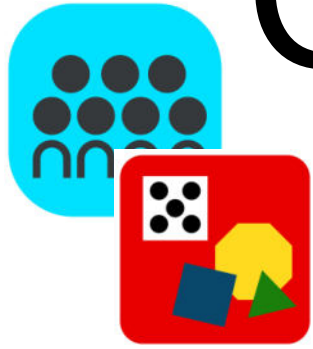


$$100 + 20$$

tens	ones
12	0

Look at your dimes. How many tens are in 120 cents?

Concept Development

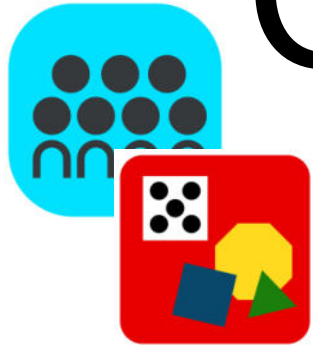


$$100 + 20$$

12 tens!

tens	ones
12	0

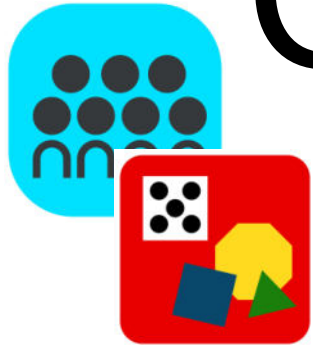
Concept Development



Let's now determine the value of more coins and put it in our place value chart!

tens	ones

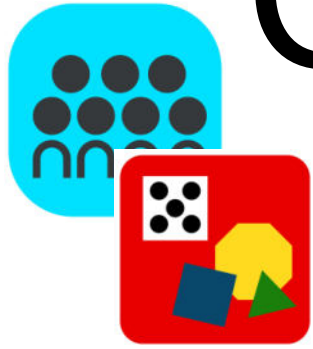
Concept Development



What is the value of these coins?

tens	ones

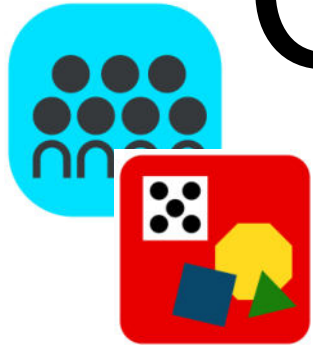
Concept Development



48 cents!

tens	ones
4	8

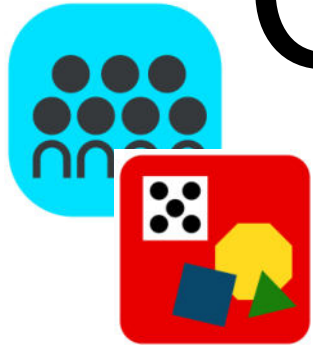
Concept Development



What is the value of these
coins?

tens	ones

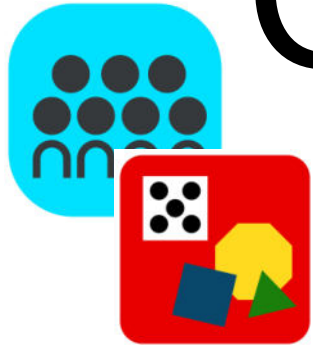
Concept Development



50 cents!

tens	ones
5	0

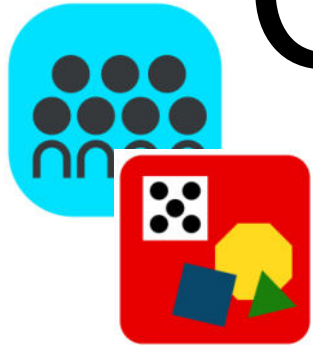
Concept Development



What is the value of these
coins?

tens	ones

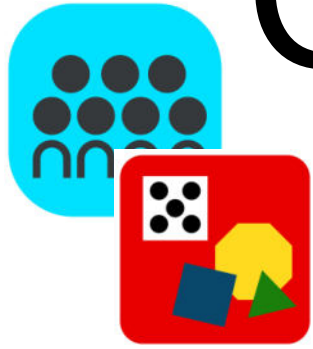
Concept Development



62 cents!

tens	ones
6	2

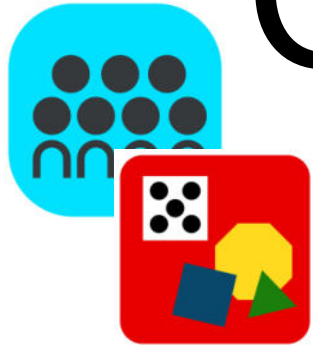
Concept Development



What is the value of these
coins?

tens	ones

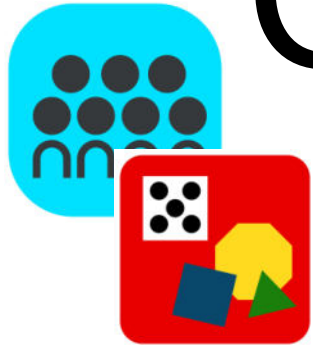
Concept Development



65 cents!

tens	ones
6	5

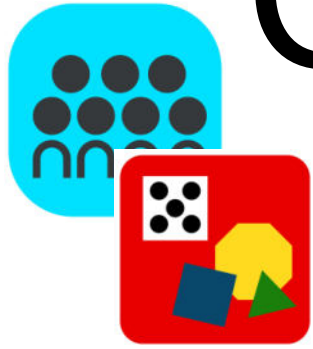
Concept Development



What is the value of these
coins?

tens	ones

Concept Development

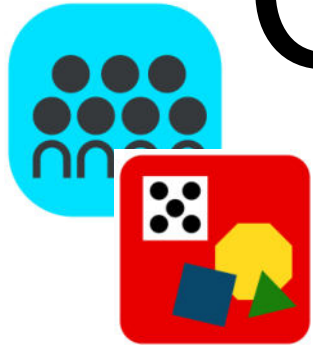


75 cents!

tens	ones
	5

7

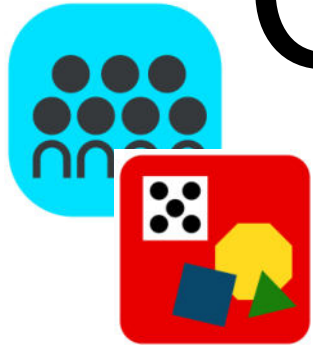
Concept Development



What is the value of these
coins?

tens	ones

Concept Development



100 cents!

tens	ones
10	0



Concept Development

52

Partner A, use
your coins to
represent this
number using as
many dimes as
you can.



Concept Development

52

Partner A, use your coins to represent this number using as many dimes as you can.

20

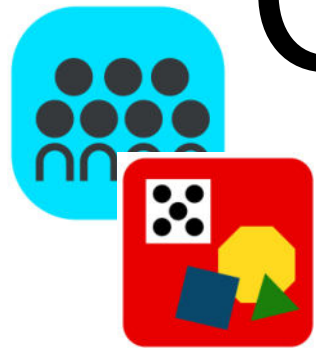
Partner B, use your coins to represent this number using as many dimes as you can.



Concept Development

$$52 + 20$$

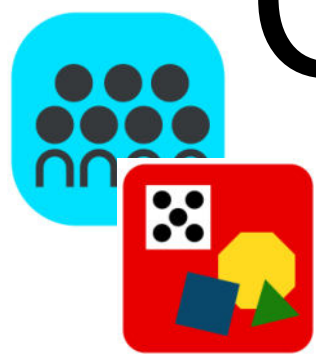
Add your coins together. How much do you have?



Concept Development

$$52 + 20$$

72 cents!



Concept Development

$$52 + 20$$

On your personal board, solve $52 + 20$



Concept Development

$$52 + 20$$

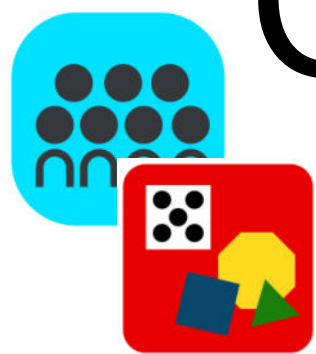
How did you solve this problem?



Concept Development

$$52 + 20$$

How did you solve this problem?



Concept Development

$$52 + 20$$

I lined up my numbers and added the ones with ones and the tens with tens. There were only 2 ones. 5 tens + 2 tens is 7 tens. The total is 72. I did the same thing. It's just like adding the dimes with the dimes. There were 2 pennies. Then, 5 dimes plus 2 dimes was 7 dimes. That makes 72 cents! I added 2 tens. 52, 62, 72. That's like counting on the dimes.

Problem Set

1 2 3 4 5

Problem Set



A STORY OF UNITS

Lesson 23 Problem Set 1•6

Name _____ Date _____

1. Add pennies to show the written amount.

a.	8 cents	
b.	30 cents	
c.	10 cents	 
d.	18 cents	   

2. Write the value of each group of coins.

a.     _____ cents

Problem Set

1 2 3 4 5

Problem Set



A STORY OF UNITS

Lesson 23 Problem Set

1•6

b.



_____ cents

c.



_____ cents

d.



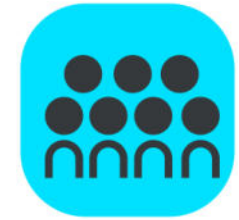
_____ cents

e.



_____ cents

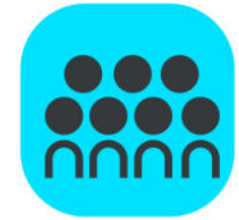
Debrief



Look at Problem 2(a). How did you determine which set of 8 would make 80 cents? What is the value of the other set? How would a place value chart for 8 pennies look compared to the place value chart for 8 dimes?



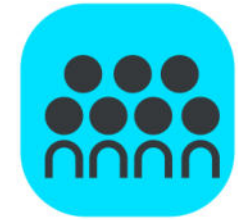
Debrief



Look at Problem 2(b). What is the value of the set that does not equal 100 cents? How would you show this value in a place value chart?



Debrief



Look at Problem 3. What is another way to show 58 cents?



Exit Ticket



A STORY OF UNITS

Lesson 24 Exit Ticket

1•6

Name _____

Date _____

Find the value of the set of coins. Complete the place value chart to match.

Write an addition sentence to add the value of the dimes and the value of the pennies.

	<table border="1"><tr><th>tens</th><th>ones</th></tr><tr><td> </td><td> </td></tr></table>	tens	ones		
tens	ones				
