Eureka Math

1st Grade Module 6 Lesson 10

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Reflecting your Teaching Style and Learning Needs of Your Students

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- ➤ Choose MAKE A COPY and rename your presentation.
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Icons





Read, Draw, Write











Manipulatives Needed







Lesson 10

Objective: Add and subtract multiples of 10 from multiples of 10 to 100, including dimes.

Suggested Lesson Structure

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



Materials Needed

Teacher

• 100-bead Rekenrek, chart paper, 10 dimes,



Student

 Core Fluency Practice Sets, personal white board, Race to the Top! Template, 2 dice per pair of students, number bond/number sentence set template, 5 dimes



I can add and subtract multiples of ten from multiples of 10 to 100.

Application Problem



Fran had 8 lizards.

Anton gave some lizards to Fran.

Fran now has 13 lizards.

How many lizards did Anton give Fran?



Core Fluency

A STORY OF UNITS	Lesson 3 C	ore Fluency Practice Set A 1.5
Name	My Addition Practic	Date
		Mar 15
1. 6 + 0 =	11. 7 + 1 =	21. 5 + 3 =
2. 0+6=	12 = 1 + 7	22 = 5 + 4
3. 5+1=	13. 3 + 3 =	23. 6 + 4 =
4. 1+5=	14. 3 + 4 =	24. 4+6=
5. 6+1=	15 = 3 + 5	25 = 4 + 4
6. 1+6=	16. 6 + 3 =	26. 3 + 4 =
7. 6+2=	17. 7 + 3 =	27. 5+5=
8. 5+2=	18 = 7 + 2	28 = 4 + 5
9. 2 + 5 =	19. 2 + 7 =	29. 3 + 7 =
10. 2 + 4 =	20. 2 + 8 =	30 = 3 + 6

Today, I finished _____ problems.



Race to the Top!

You are going to work with a partner.

Take turns rolling the dice and saying an addition sentence.

Record the sum on the graph.

The game ends when time runs out or when one of the columns reaches the top.





Get to Ten(s)!

I'm going to show you a number.

You are going to say the number sentence to make ten.

Let's try it!

What number?

Yes, 9! Say the number sentence to make 10.

Yes, 9 + 1 = 10!



Get to Ten(s)!

Yes, 19! Say the number sentence to make 20.

Yes, 19 + 1 = 20!

What number?

Yes, 59! Say the number sentence to make 60.

Yes, 59 + 1 = 60!



Get to Ten(s)!

Yes, 79! Say the number sentence to make 80.

Yes, 79 + 1 = 80!

What number?

Yes, 99! Say the number sentence to make 100.

Yes, 99 + 1 = 100!



Get to Ten(s)!

Yes, 5! Say the number sentence to make 10.

Yes, 5 + 5 = 10!

What number?

Yes, 65! Say the number sentence to make 70.

Yes, 65 + 5 = 70!



Get to Ten(s)!

Yes, 85! Say the number sentence to make 90.

Yes, 85 + 5 = 90!

What number?

Yes, 95! Say the number sentence to make 100.

Yes, 95 + 5 = 100!



Get to Ten(s)!

Yes, 8! Say the number sentence to make 10.

Yes, 8 + 2 = 10!

What number?

Yes, 48! Say the number sentence to make 50.

Yes, 48 + 2 = 50!



Get to Ten(s)!

Yes, 78! Say the number sentence to make 80.

Yes, 78 + 2 = 80!

What number?

Yes, 98! Say the number sentence to make 100.

Yes, 98 + 2 = 100.



Get to Ten(s)!

Yes, 7! Say the number sentence to make 10.

Yes, 7 + 3 = 10!

What number?

Yes, 37! Say the number sentence to make 40.

Yes, 37 + 3 = 40!



Get to Ten(s)!

Yes, 87! Say the number sentence to make 90.

Yes, 87 + 3 = 90

What number?

Yes, 97! Say the number sentence to make 100.

Yes, 97 + 3 = 100.

We're going to make a chart today. I need two helpers.

Using your magic counting sticks, show us 4 + 3.

How many fingers are there?

Say the number sentence.

Yes, 4 + 3 = 7.

While I add this to our chart, write the number sentence, use math drawings to show 4 + 3 = 7, and make a number bond on your white board.

Let's pretend these circles stand for bananas! Say the number sentence using bananas as the unit.

Yes, 4 bananas + 3 bananas = 7 bananas!

I need five more helpers.

Show us 4 tens + 3 tens using your magic counting sticks.

How many tens do we have here?

Yes, 4 tens.

How many tens do we have here?

Yes, 3 tens.

How many tens are there in all?

Yes, 7 tens.

Say the number sentence the Say Ten way, starting with 4 tens.

Yes, 4 tens + 3 tens = 7 tens.

Say the number sentence the regular way starting with 40.

Yes, 40 + 30 = 70.

How can knowing 4 + 3 = 7 help us with 4 tens + 3 tens?

Turn and talk to your partner. Be ready to share.

Did you hear?

- The numbers stay the same.
- The numbers, 4 and 3 and 7, stay the same, but the units change.

Please record 40 + 30 = 70 on your whiteboard.

Let's try some more! You are going to solve each problem using the Say Ten way and the regular way.

7 tens–4 tens 30 + 60 9 dimes –3 dimes 60 cents + 20 cents 70 + 30 10 tens – 4 tens

6 dimes – 4 dimes

Draw a number bond for this subtraction problem, and share your thinking with your partner.

What addition sentence can we write to match this number bond?

Remember, we can say "unknown" or "mystery number."



Yes, 4 dimes + the mystery part = 6 dimes.

What is the missing part?

Yes, 2 dimes!

Say the subtraction sentence and the related addition sentence the Say Ten way.

6 tens - 4 tens = 2 tens

4 tens + 2 tens = 6 tens

Let's say it the regular way, too.

60 - 40 = 20

40 + 20 = 60



Problem Set



A STORY OF UNITS	Lesson 10 Problem Set	1.6
Name	Date	

Complete the number bonds and number sentences to match the picture.





Problem Set



A STORY OF UNITS	Lesson 10 Problem Set 1.6
Count the dimes to add or subtract. Write the dimes.	e a number sentence to match the value of
^{6.} 🛞 Ø Ø 🛞 + Ø 🛞	40 + 20 =
7. 🛞 Ø Ø 🛞 🞘 🞘	
8. • • • • • • • • • • • • • • • • • • •	2 <u></u>
9. • Ø Ø • 🕉 • Ø Ø X X	
10. (m) (y) (y) (m) (y) (X)	
11. Fill in the missing numbers.	
a. 40 + <mark>40 =</mark> b. 50 - 30) = c. 10 + = 70
d. 60 = 0 e. 90	= 10 f. 70 + = 90
g. 50 + 40 = h. 100 - 3	0 = = 70



Check your work by comparing answers with your partner.





Look at Problems 1 and 2.

Did you show your bonds the regular way or the Say Ten way?

What did you notice about Problems 6 and 7?

Can you find another set of problems that show a similar pattern?



Using Problem 10, create a related problem by drawing a picture and writing the number sentence in the same way that Problems 6 and 7 go together.

Write all the ways you can make a total of 10 tens or 100 using only tens. You may use three addends!



How does knowing 3 + 6 help you solve 30+60?

How can Race to the Top! And the Core Fluency Practice Sets help you solve addition and subtraction problems from today's lesson?



Turn to your partner and share what you learned in today's lesson.

What did you get really good at today?





I can add and subtract multiples of ten from multiples of 10 to 100.

Exit Ticket



A STORY OF UNITS	Lesson 10 Exit Ticket 1•6
Name	Date
1. Fill in the missing numbers.	
a. 40 + 50 = b. 80 - 60 =	c. 30 + = 70
2. Write a number sentence to match the picture.	
×××	