

Eureka Math

1st Grade Module 6 Lesson 14

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Directions for customizing presentations are available on the next slide.



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Screen A

ReadyGEN™ in Action

3rd Grade
Unit 3, Module A
Lesson 1

“pop-out”

Screen B

Gr3(2) U3MAL1 Sample Lesson.pptx

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ReadyGEN™ in Action

3rd Grade
Unit 3, Module A
Lesson 1

Icons



Read, Draw, Write



Learning Target



Personal White Board



Problem Set



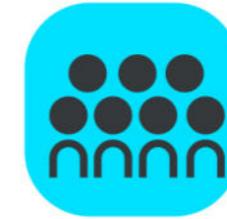
Manipulatives Needed



Fluency



Think Pair Share



Whole Class



Individual



Partner



Small Group



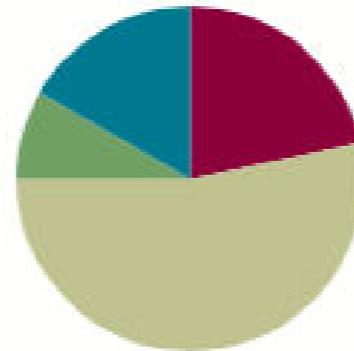
Small Group Time

Lesson 14

Objective: Add a pair of two-digit numbers when the ones digits have a sum greater than 10 using decomposition.

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

- Chart paper, document camera

Student

- Core Fluency Practice Sets, personal white board, die per student pair



I can add two two-digit numbers when the ones digits have a sum greater than ten.

I can take the numbers apart and put them back together to find the sum.

$$\begin{array}{r} 46 + 28 = 74 \\ \quad \swarrow \searrow \\ \quad 20 \quad 8 \\ 46 + 20 = 66 \\ 66 + 8 = 74 \\ \quad \swarrow \searrow \\ \quad 4 \quad 4 \end{array}$$

I added 20 to 46 first.

$$\begin{array}{r} 46 + 28 = 74 \\ \quad \swarrow \searrow \\ \quad 4 \quad 24 \\ 46 + 4 = 50 \\ 50 + 24 = 74 \\ \quad \swarrow \searrow \\ \quad 20 \quad 4 \end{array}$$

I made a ten first.

$$\begin{array}{r} 46 + 28 = 74 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 40 \quad 6 \quad 20 \quad 8 \\ 40 + 20 = 60 \\ 6 + 8 = 14 \\ 60 + 14 = 74 \end{array}$$

I added the 4 tens to
2 tens first.

Application Problem



There are 12 chairs at the lunch table.

There are 15 students.

How many more chairs are needed so that every student has a chair?

Use RDW to explain your thinking.

Today we will share before we work on fluency.



Core Fluency

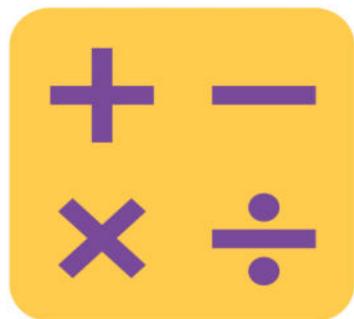
Name _____ Date _____

My Addition Practice

1. $6 + 0 = \underline{\quad}$	11. $7 + 1 = \underline{\quad}$	21. $5 + 3 = \underline{\quad}$
2. $0 + 6 = \underline{\quad}$	12. $\underline{\quad} = 1 + 7$	22. $\underline{\quad} = 5 + 4$
3. $5 + 1 = \underline{\quad}$	13. $3 + 3 = \underline{\quad}$	23. $6 + 4 = \underline{\quad}$
4. $1 + 5 = \underline{\quad}$	14. $3 + 4 = \underline{\quad}$	24. $4 + 6 = \underline{\quad}$
5. $6 + 1 = \underline{\quad}$	15. $\underline{\quad} = 3 + 5$	25. $\underline{\quad} = 4 + 4$
6. $1 + 6 = \underline{\quad}$	16. $6 + 3 = \underline{\quad}$	26. $3 + 4 = \underline{\quad}$
7. $6 + 2 = \underline{\quad}$	17. $7 + 3 = \underline{\quad}$	27. $5 + 5 = \underline{\quad}$
8. $5 + 2 = \underline{\quad}$	18. $\underline{\quad} = 7 + 2$	28. $\underline{\quad} = 4 + 5$
9. $2 + 5 = \underline{\quad}$	19. $2 + 7 = \underline{\quad}$	29. $3 + 7 = \underline{\quad}$
10. $2 + 4 = \underline{\quad}$	20. $2 + 8 = \underline{\quad}$	30. $\underline{\quad} = 3 + 6$

Today I finished _____ problems.

I solved _____ problems correctly.



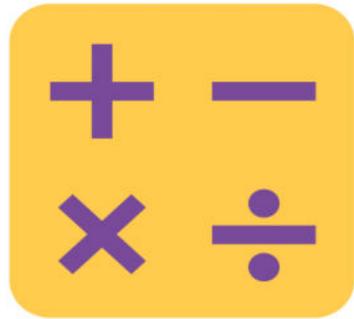
Add Tens

You are going to work with a partner.

Partner A writes or draws a number (with quick tens and ones) between 10 and 40.

Partner B rolls the die to find out how many tens to add (if you roll a 2, you add 2 tens).

Both partners write the number sentence on their personal white boards and check each other's work.



Take Out Ones...and Twos and Threes and Fours

I'm going to give you three numbers.

You are going to write a number bonds for each number, taking out **one**.

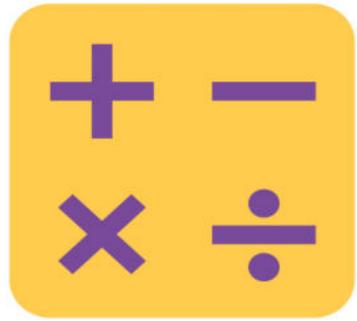
Let's try one!

8, 18, 28

$$\begin{array}{c} 8 \\ \wedge \\ 1 \quad 7 \end{array}$$

$$\begin{array}{c} 18 \\ \wedge \\ 1 \quad 17 \end{array}$$

$$\begin{array}{c} 28 \\ \wedge \\ 1 \quad 27 \end{array}$$



Take Out Ones...and Twos and Threes and Fours

Let's try some more!

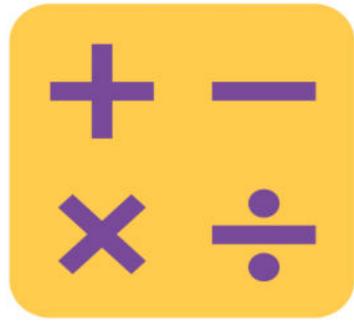
4, 14, 24

6, 56, 86

Now, take out 2!

5, 15, 25

7, 37, 97



Take Out Ones...and Twos and Threes and Fours

Now take out 3!

6, 36, 76

9, 69, 99, 109

Now, take out 4!

8, 48, 88, 108

7, 77, 107, 117



Concept Development

We're doing to do several different addition problems today.

After each problem you'll be sharing your solutions and explaining your strategies.

I'll be recording your thinking.

I might ask you why did you choose this method.



Concept Development

Problems 1 - 6

$$65 + 15$$

$$65 + 16$$

$$65 + 19$$

$$48 + 33$$

$$48 + 43$$

$$38 + 62$$



Concept Development

Problems 7 - 12

$$56 + 28$$

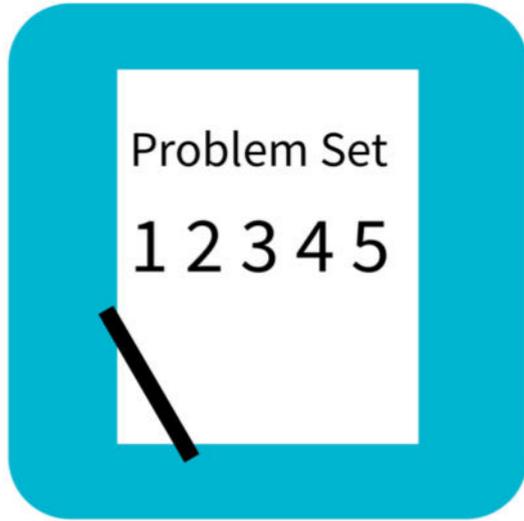
$$46 + 28$$

$$38 + 56$$

$$37 + 57$$

$$37 + 47$$

$$45 + 37$$



Problem Set



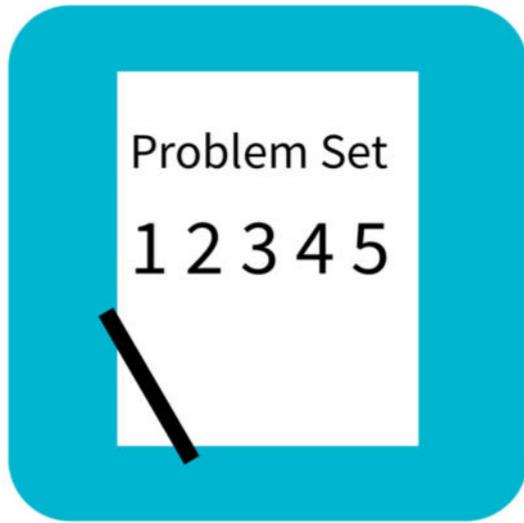
A STORY OF UNITS

Lesson 14 Problem Set 1•6

Name _____ Date _____

1. Solve and show your work.

a. $48 + 21 = \underline{\quad}$	b. $48 + 22 = \underline{\quad}$
c. $39 + 43 = \underline{\quad}$	d. $48 + 34 = \underline{\quad}$
e. $77 + 14 = \underline{\quad}$	f. $67 + 27 = \underline{\quad}$
g. $58 + 37 = \underline{\quad}$	h. $68 + 29 = \underline{\quad}$



Problem Set



2. Solve and show your work.

a. $39 + 31 = \underline{\quad}$	b. $58 + 23 = \underline{\quad}$
c. $77 + 23 = \underline{\quad}$	d. $69 + 26 = \underline{\quad}$
e. $68 + 25 = \underline{\quad}$	f. $45 + 37 = \underline{\quad}$
g. $59 + 39 = \underline{\quad}$	h. $58 + 38 = \underline{\quad}$

Debrief



Check your work by comparing answers with your partner.



Debrief



Look at Problem 1 (a) and (b).

How can solving Problem 1(a) help you solve Problem 1(b)?

Debrief



Look at Problem 2 (g) and (h).

How are they related?

How could solving one help you solve the other?

Debrief



Think about Take Out Ones in our Fluency Practice today.

How did it help you when you were solving the more challenging problems?

Debrief



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

What did you get really good at today?





I can add two two-digit numbers when the ones digits have a sum greater than ten.

I can take the numbers apart and put them back together to find the sum.

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I made a ten first.

$$\begin{array}{r} 46 + 28 = 74 \\ \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ 40 \quad 6 \quad 20 \quad 8 \\ 40 + 20 = 60 \\ 6 + 8 = 14 \\ 60 + 14 = 74 \end{array}$$

I added the 4 tens to
2 tens first.

Exit Ticket



Name _____ Date _____

Solve and show your work.

a. $47 + 42 = \underline{\quad}$

b. $78 + 22 = \underline{\quad}$

c. $56 + 38 = \underline{\quad}$

Homework



Name _____ Date _____

1. Solve and show your work.

a. $68 + 21 = \underline{\quad}$	b. $59 + 32 = \underline{\quad}$
c. $39 + 44 = \underline{\quad}$	d. $58 + 36 = \underline{\quad}$
e. $76 + 17 = \underline{\quad}$	f. $68 + 26 = \underline{\quad}$
g. $56 + 39 = \underline{\quad}$	h. $58 + 29 = \underline{\quad}$

Homework



2. Solve and show your work.

a. $39 + 41 = \underline{\quad}$	b. $48 + 43 = \underline{\quad}$
c. $87 + 13 = \underline{\quad}$	d. $59 + 25 = \underline{\quad}$
e. $65 + 27 = \underline{\quad}$	f. $27 + 67 = \underline{\quad}$
g. $49 + 39 = \underline{\quad}$	h. $38 + 58 = \underline{\quad}$