Eureka Math

1st Grade
Module 5
Lesson 11

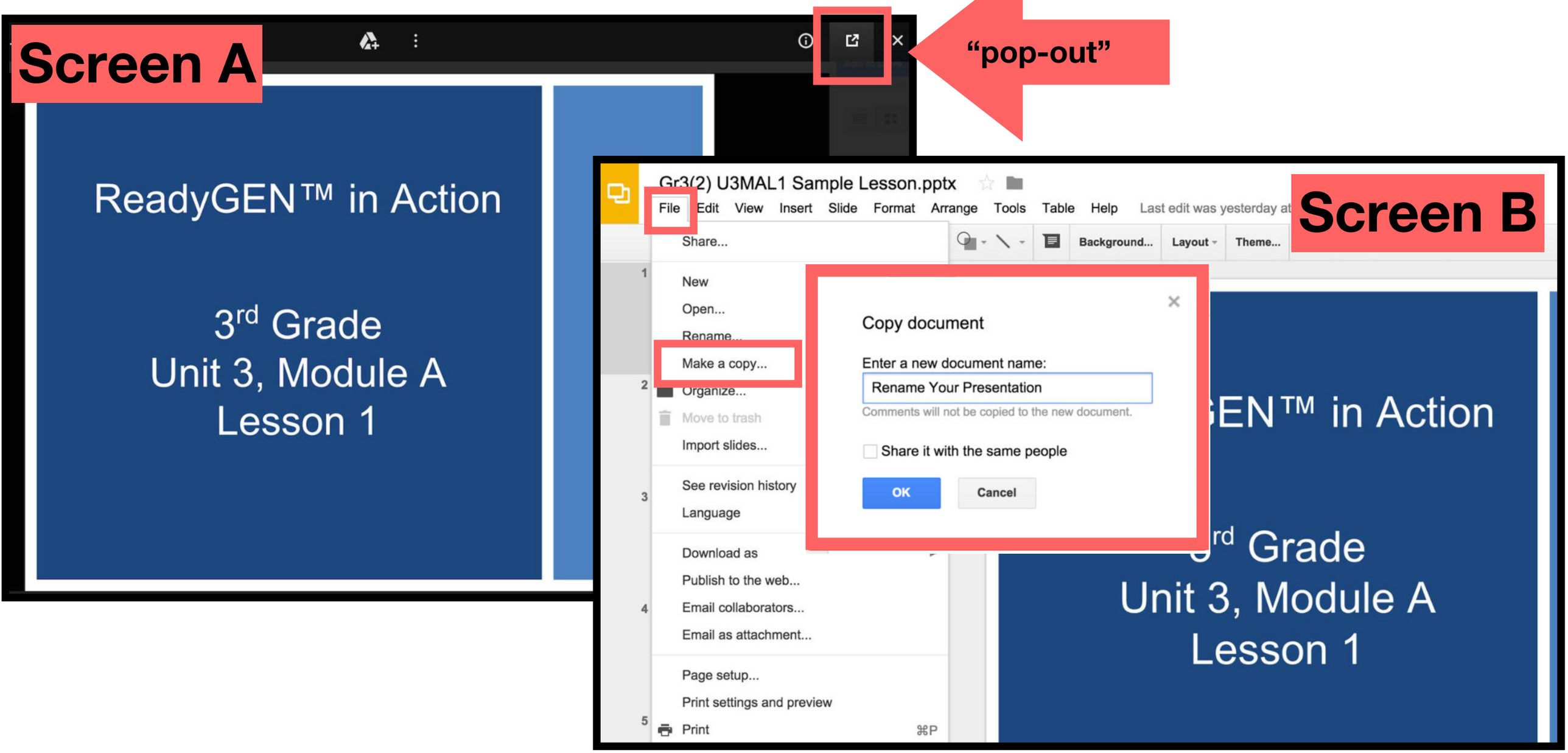
At the request of elementary teachers, a team of Bethel & Sumner educators met as a committee to create Eureka slideshow presentations. These presentations are not meant as a script, nor are they required to be used. Please customize as needed. Thank you to the many educators who contributed to this project!

Directions for customizing presentations are available on the next slide.

Customize this Slideshow

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.

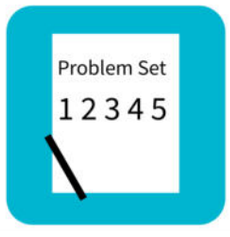


Icons

Read, Draw, Write

Learning Target

Personal White Board



Problem Set

Manipulatives Needed

Fluency

Think Pair Share

Whole Class

Individual

Partner

Small Group

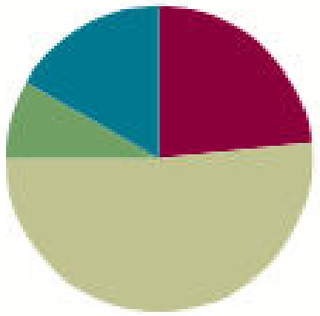
Small Group Time

Lesson 11

Objective: Recognize halves within a circular clock face and tell time to the half hour.

Suggested Lesson Structure

Fluency Practice	(14 minutes)
Application Problem	(5 minutes)
Concept Development	(31 minutes)
Student Debrief	(10 minutes)
Total Time	**(60 minutes)**



Materials Needed

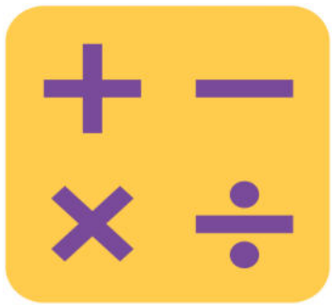
Teacher:

- T) Chart of numbers to 30 with multiples of 5 circled
  - See your Teacher's Guide for what this chart should look like or use the chart on the Google slide
- (T) Paper clock created during Lesson 10
- Personal Whiteboard
- Dry erase marker
- Large instructional clock with gears (if available)

Student:

- (S) Core Fluency Practice Sets (Lesson 3 Core Fluency Practice Sets)
- (S) Personal white board
- (S) Paper clock created in Lesson 10

I can recognize halves within a circular clock face and tell time to the half hour.



Core Fluency Practice

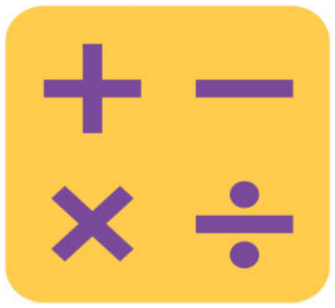
Let’s do a Core Fluency Practice!

Happy Counting

Count with me. We will count within 100 by ones and tens, paying special attention to changes in tens.

Think Count

1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29
10	20	30



Think Count

Now let’s practice counting without the chart!

Take from 10 Subtraction with Partners

You will work with a partner!

- Choose a minuend between 10 and 20
- On your personal whiteboard, subtract 9, 8, and 7. Write the two addition sentences for taking from 10 10.
- Exchange personal white boards and check your partner’s work!

Application Problem

RDW

Tamra has 7 digital clocks in her house and only 2 circular or analog clocks. How many fewer circular clocks does Tamra have than digital clocks? How many clocks does Tamra have altogether?

Concept Development

In the previous lesson, we read the time when we had whole hours with no extra minutes past the hour.
Let’s start at 12 o’clock. Where is the minute hand?

Concept Development

The minute hand is at the 12!

Where is the hour hand?

Concept Development

The hour hand is also at the 12!

Concept Development

When the minute hand moves all the way around the clock, it has been 60 minutes, or 1 hour. When 1 hour passes, we will be at...?

Concept Development

After 60 minutes pass, or 1 hour, it will be 1 o’clock!

Concept Development

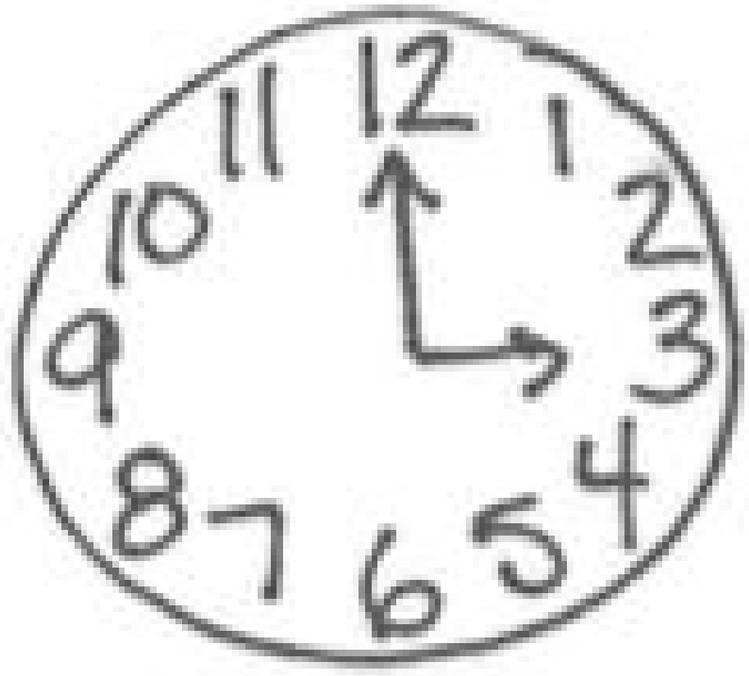
Which clock hand do we move to show 1 o’clock?

Concept Development

To have our clock show 1 o’clock, we move the hour hand. It’s the short one.

Concept Development

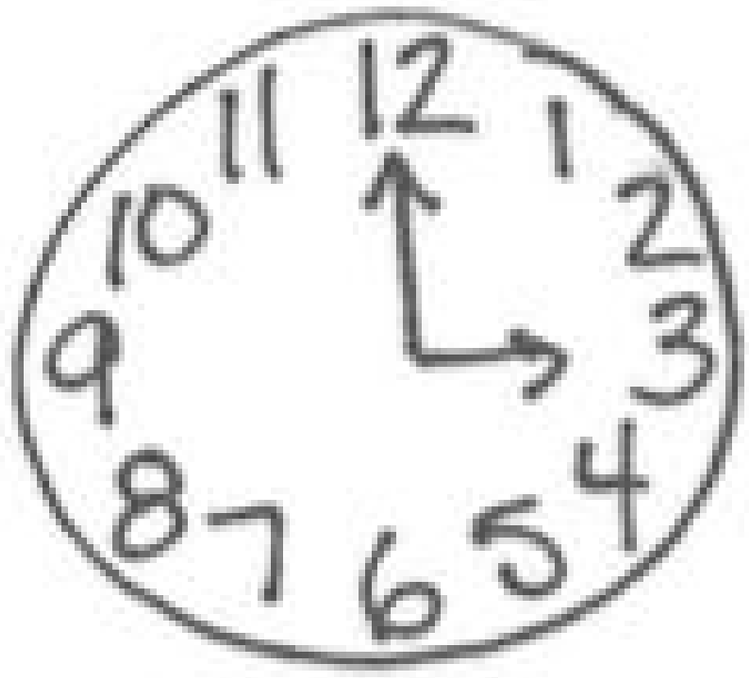
How would this look on a digital clock?



Concept Development

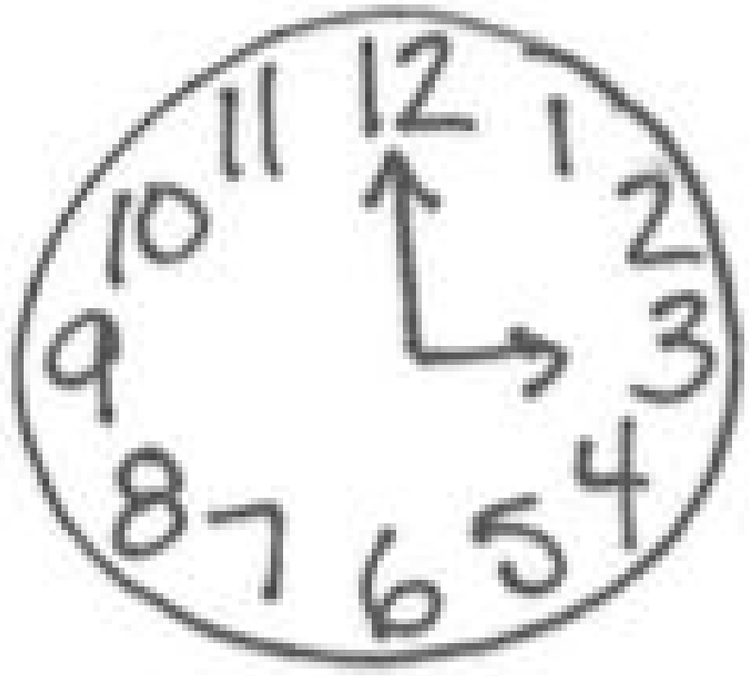
How would this look on a digital clock?

3:00



Concept Development

If we were halfway through the next hour, the hour hand would need to be halfway between 3 and...?



Concept Development

Now, let’s think about the minute hand. It would go halfway around the circle. Think about our half circles. Where would we need to stop the minute hand so that it would have traveled across the shape of a half of the circle? Talk with a partner.

Concept Development

Tell me when I have colored half of the clock. Think about the shape of a half circle.

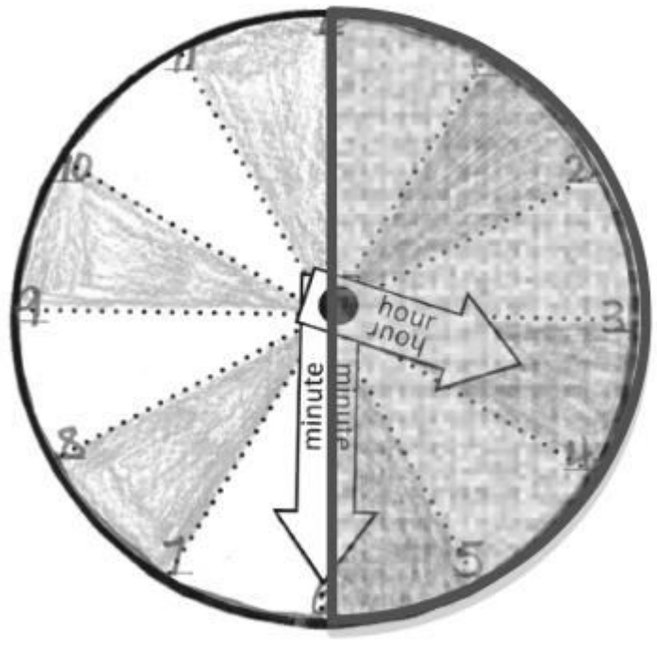
Concept Development

Which number is halfway around the clock?

Concept Development

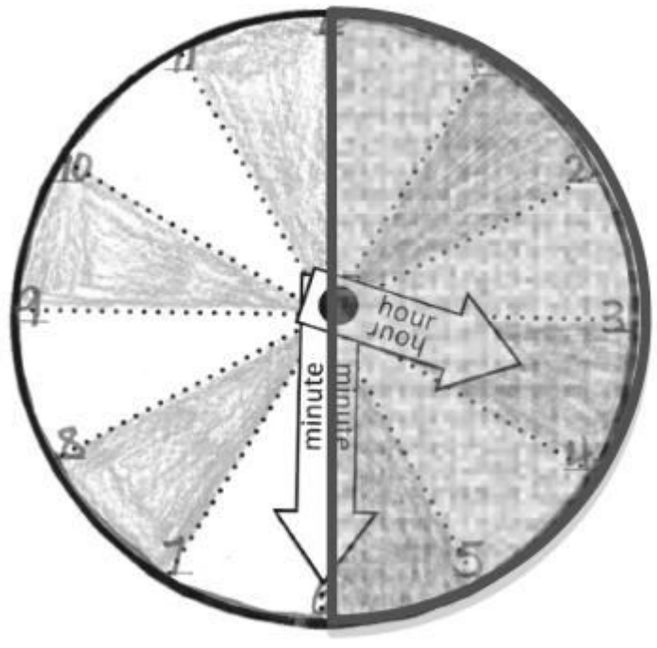
6 is halfway around the clock!

Yes, if the minute hand were halfway between one hour and another hour, it would be pointing to the 6. We call this time half past 3 because it is half an hour past 3 o’clock.



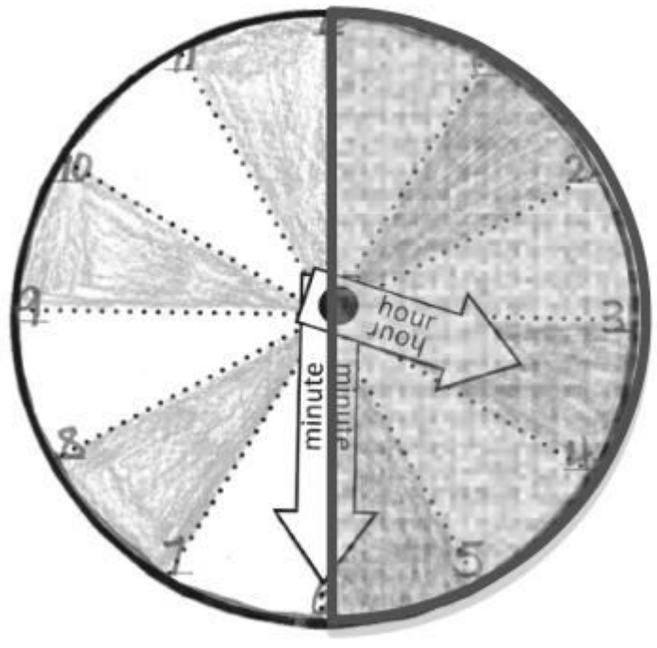
Concept Development

Let's see how many minutes are in this half of the hour. We can count each minute, using the little marks on the side of the clock, but it'll be faster to count by groups of 5 minutes, like we do when we whisper count. There are 5 minutes from one number to the next number.



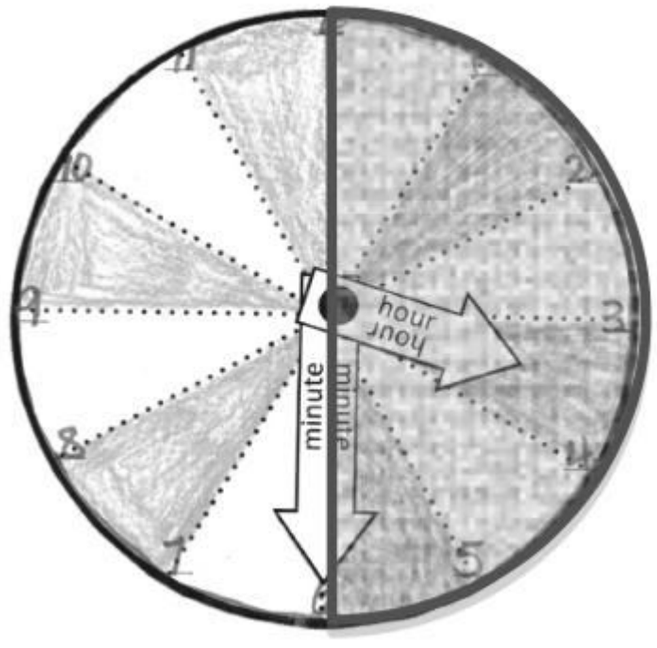
Concept Development

Think about the whisper counting we practiced during Fluency Practice. Count with me, and use your pencil to write the number of minutes next to each dot as we go.



Concept Development

Another way to say half past 3 is 3:30 because it's 3 hours and 30 minutes since 12 o'clock, when we either started a new day or when we started the afternoon. On a digital clock, half past 3 would look like this:



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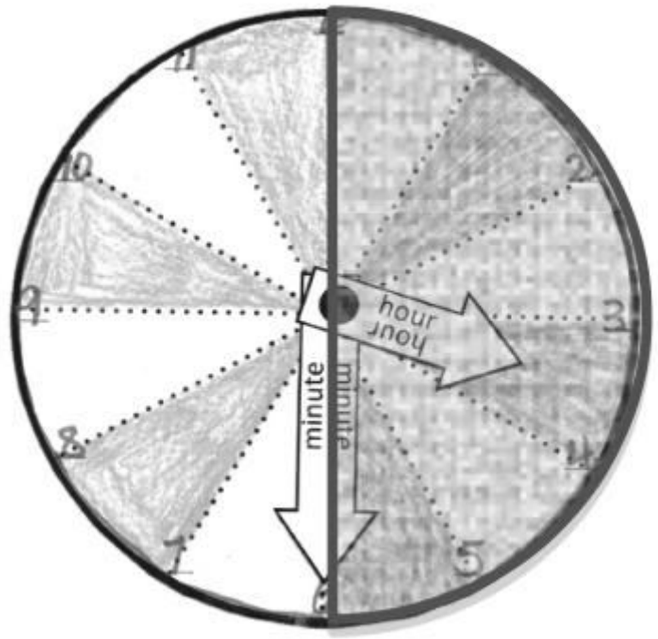


3:30

Concept Development

What time is this?

Concept Development

It’s 3:30!

Concept Development

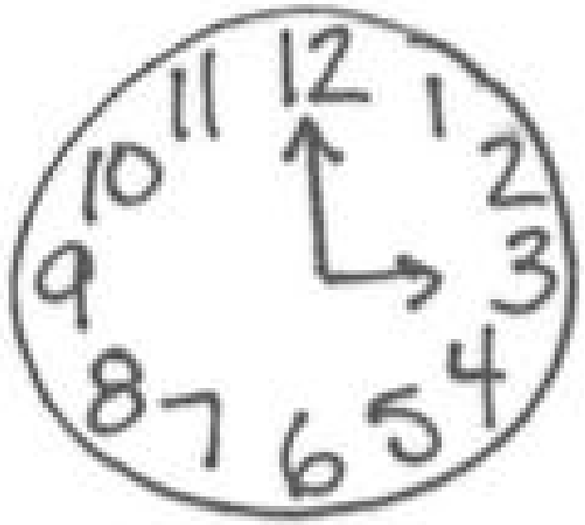
What's another way we can sa
that it's 3:30?

Concept Development

We can say half past 3!

Concept Development

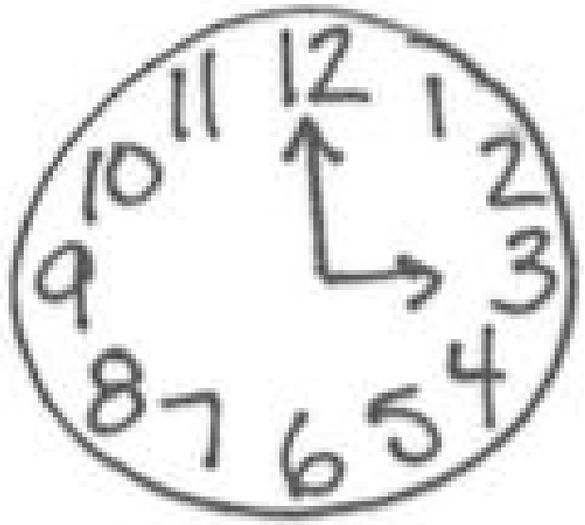
Look at our two clocks. One clock shows 3 o’clock. The other clock shows half past 3, or 3:30. Compare them. What do you notice?



Concept Development

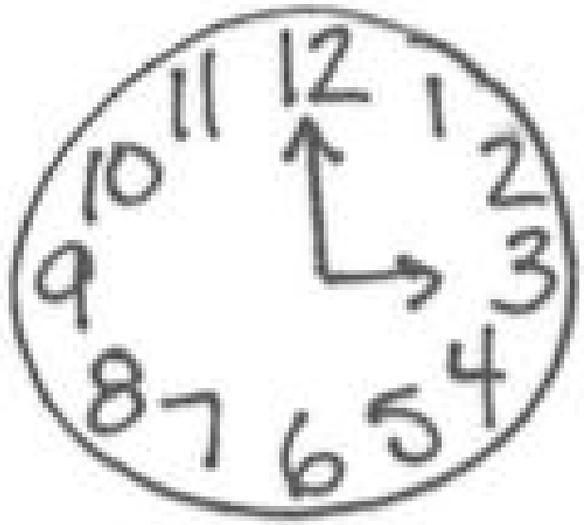
Did you think of these ideas?

- The clock on 3 o’clock has its minute hand on 12, and the clock at 3:30 has its minute hand at 6



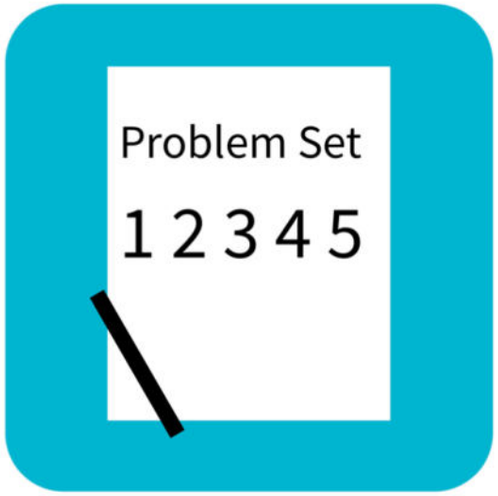
Concept Development

- The hour hand is pointing directly to 3 on the clock that shows 3 o’clock. The hour hand is pointing between 3 and 4 on the clock that shows 3:30.



Concept Development

Let’s practice more of telling time to the half hour!



Problem Set

Name _____ Date _____

1. Match the clocks to the times on the right.

a. 

b. 

c. 

- Half past 5 o'clock
- 12:30
- 2:30
- Five thirty
- Half past 12 o'clock
- Two thirty

2. Draw the minute hand so the clock shows the time written above it.

a. 7 o'clock 

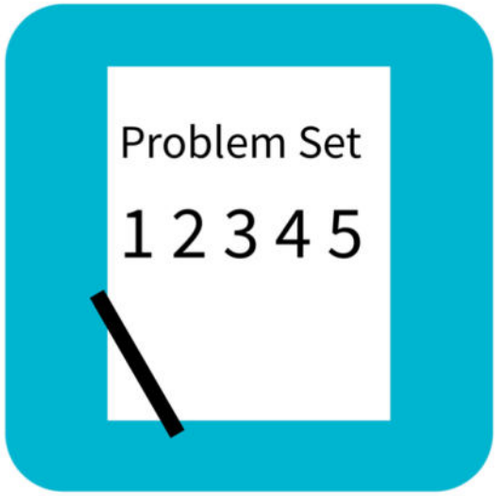
b. 8 o'clock 

c. 7:30 

d. 1:30 

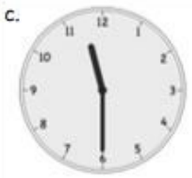
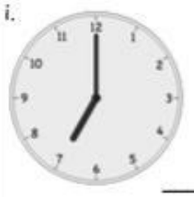
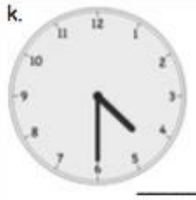
e. 2:30 

f. 2 o'clock 



Problem Set

3. Write the time shown on each clock. Complete problems like the first two examples.

a.  3:30	b.  five thirty	c.  _____
d.  _____	e.  _____	f.  _____
g.  _____	h.  _____	i.  _____
j.  _____	k.  _____	l.  _____

4. Circle the clock that shows half past 12 o'clock.

a. 

b. 

c. 

Debrief

Look at Problem 4. Which clock shows half past 12 o’clock? Explain your thinking. Remember to use hour hand and minute hand in your explanation

Debrief

How many minutes are in half an hour? When it is half past seven, how many minutes have there been since 7 o’clock?

Debrief

7:30

What are the two ways to say this time?

Debrief

When we go around a circle in this direction we say we are going clockwise. How can knowing about how clocks work help us understand the direction of clockwise?

Debrief

Look at the Application Problem. What kinds of clocks do you have in your home? Compare the clocks in your home with Tamra's clocks. Who has more clocks? How many more clocks does that person have?

Exit Ticket

Name _____ Date _____

Draw the minute hand so the clock shows the time written above it.

1. 9:30

2. 3:30

3. Write the correct time on the line.

_____