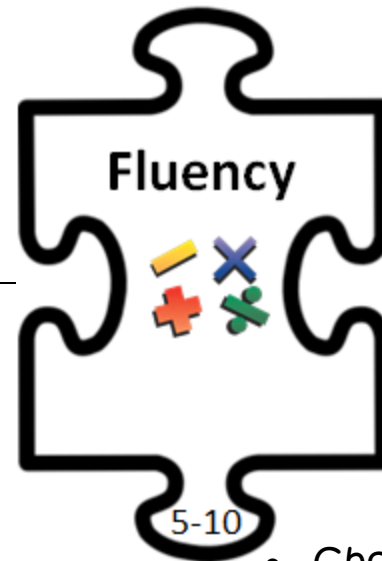
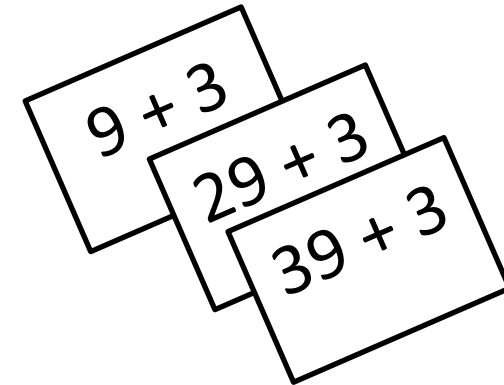


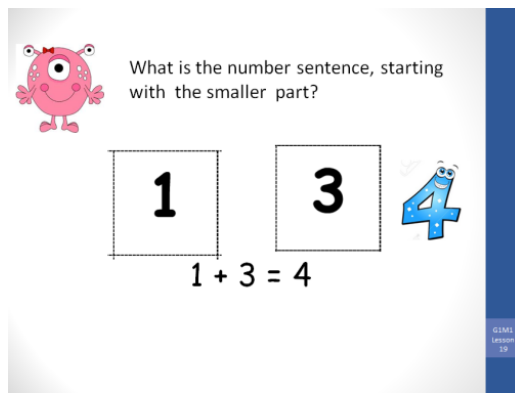
## What is it?

- Activities to engage students in an exciting and fast-paced way
- Builds speed and accuracy with calculations
- How do the fluencies fit in?  
Maintenance, Preparation or Anticipation?

## Make Fluencies into Flashcards



## Make Fluencies into PowerPoints



What is the number sentence, starting with the smaller part?

1      3      4

$1 + 3 = 4$

Class Lesson 19

## Ideas to Consider:

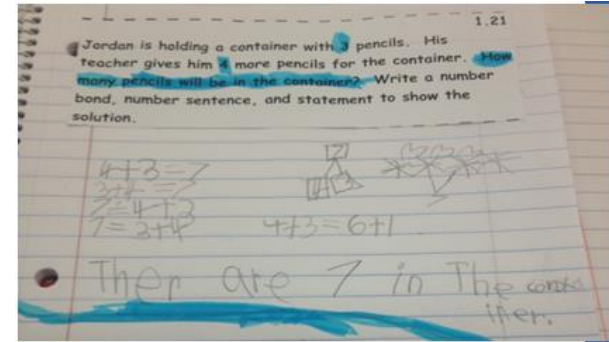
- Choose just 1 or 2 fluencies each day
- Can you do them at other times during the day?
  - Transitions times
  - Standing in line



## What is it?

- Real world word problem that reviews previous lessons
- Want kids to be able to solve on their own
- Only found in teacher material.
- Need to have it printed for students
- Use RDW Strategies

Glued problems into a notebook



Put the problems into PowerPoints

**R** Dylan has 4 cats and 2 dogs at home. Sammy has 1 mama bunny and 6 baby bunnies. Draw a number bond showing the total number of pets of each household. Write a statement to tell if the two households have an equal number of pets.

**D**

Ideas to Consider:

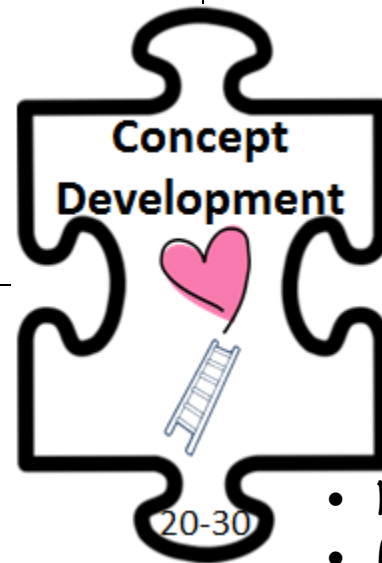
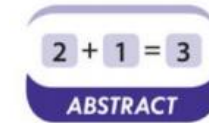
- Print problems from the district website!
- Do Application during morning routine?
- How do you give students the application problem?
  - Weekly packet?
  - Loose pages to hand in?
  - Glue problems into a notebook?
  - Handwrite a question in a notebook?



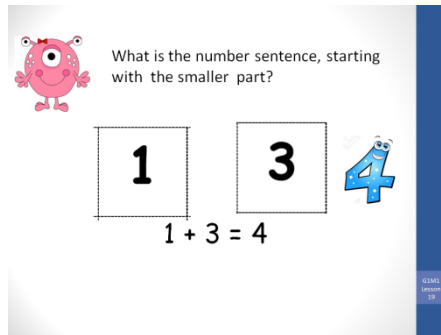
## What is it?

- Heart of the lesson
- Highlight selected parts to include in your lesson so students can be independently successful on the Problem Set
- Understand the skill progression
- Consider the hands on and interactive components.

Concrete → Pictorial → Abstract



Create PowerPoints to save time



## Ideas to Consider:

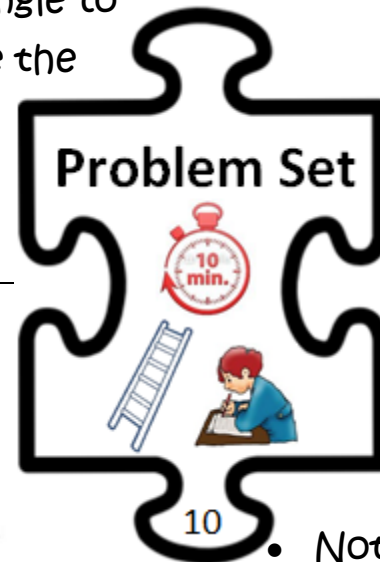
- Do not read the script to your students
- Make it your own
- Read it prior to teaching to understand the flow
- Keep the same vocabulary and big ideas
- Do not feel that you need to do every problem



## What is it?

- 10 minutes of Independent practice: Students work alone
- Progression of complexities (pictorial to abstract, small to large numbers, single to multi-step). These complexities are the rungs of the ladder!

Set a Timer to 10 minutes!



## Ideas to Consider:



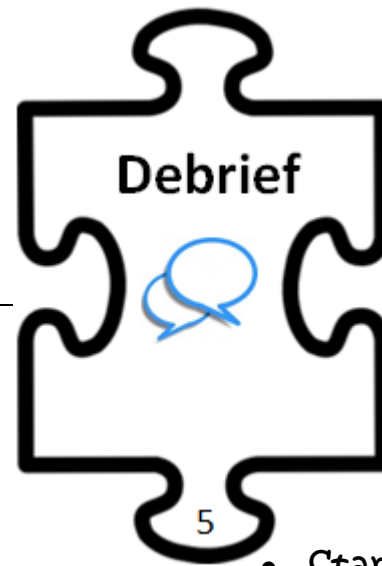
Concrete → Pictorial → Abstract

- Not designed for students to complete every problem. Do not assign it all!
  - Differentiate by ability
  - Give students a sampling of problems from each section.
- Meet the objective
- Provide a balance of calculations, word problems and both pictorial and abstract

## What is it?

- Goal is for students to see and hear multiple perspectives
- Sample dialogue and suggested questions in the teacher material

Choose questions that will have students talk about math



Write questions on index cards or post-it notes



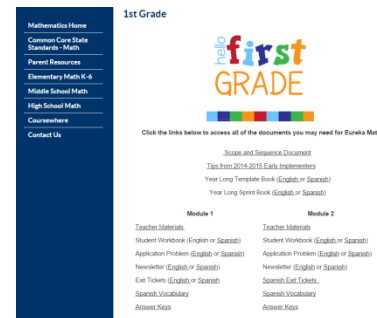
## Ideas to Consider:

- Start by having students compare answers on the problem set.
- Only go over answers to the problems students don't agree on
- Make up your own questions based upon your student population

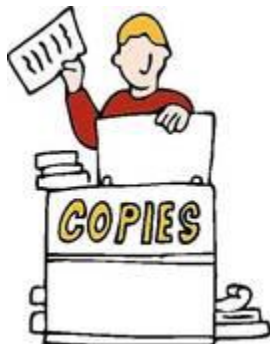
## What is it?

- Quick way to assess student understanding of lesson
- What is the overall learning needed for the module and this lesson?

## Found in Teacher Material or Website



You have to copy these for students



## Ideas to Consider:

- Use Exit Tickets as review before assessments
- Use the previous day's Exit Ticket during your morning routine
- Use Exit Tickets to help you plan small group work
- Glue them into a notebook



## What is it?

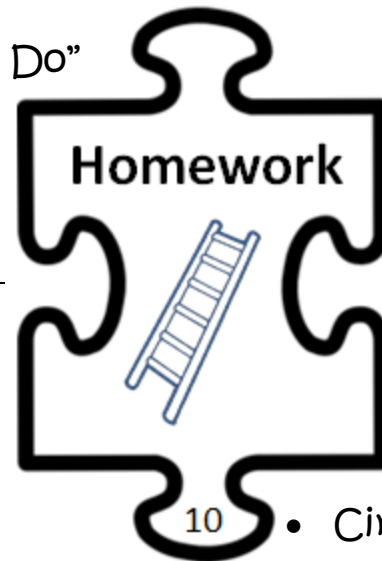
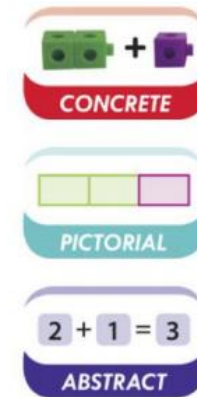
- Similar to Problem Set
- Be intentional about homework.
  - Can they do it alone?
  - Do you need to assign it all?
- Adjust homework to match the “Must Do” problems from the Problem Set

Send Problem Set home with Homework for parents to refer to.



## Similar to Problem Set

Designed from simple to complex



## Ideas to Consider:

- Circle problems that students need to complete
- Put a sticker on the cover explaining to parents only to complete the circled problems
- You do not need to grade homework. Rely on the Debrief and Exit Tickets as your formative assessment.

**Problem Set**

**Homework**

**Application**

**Exit Ticket**

**Money**

**Debrief**

**Concept Development**