BASICS OF

FORMATIVE LOOP

Learning Objectives

1. Access North Rose-Wolcott’s Formative Loop portal and explore the resources for your grade level.
2. Determine how Formative Loop could supplement the fluency work you are already doing and differentiate instruction.
3. Optional: Set up your class in Formative Loop and set your students to their first assessment.





Directions

Complete one hour of exploration through the slides and on the website, Formative Loop.

Complete the Google Form, reflecting on your experience.

Submit a claim form to your building principal to be paid for any time outside of the school day, up to 1 hour.

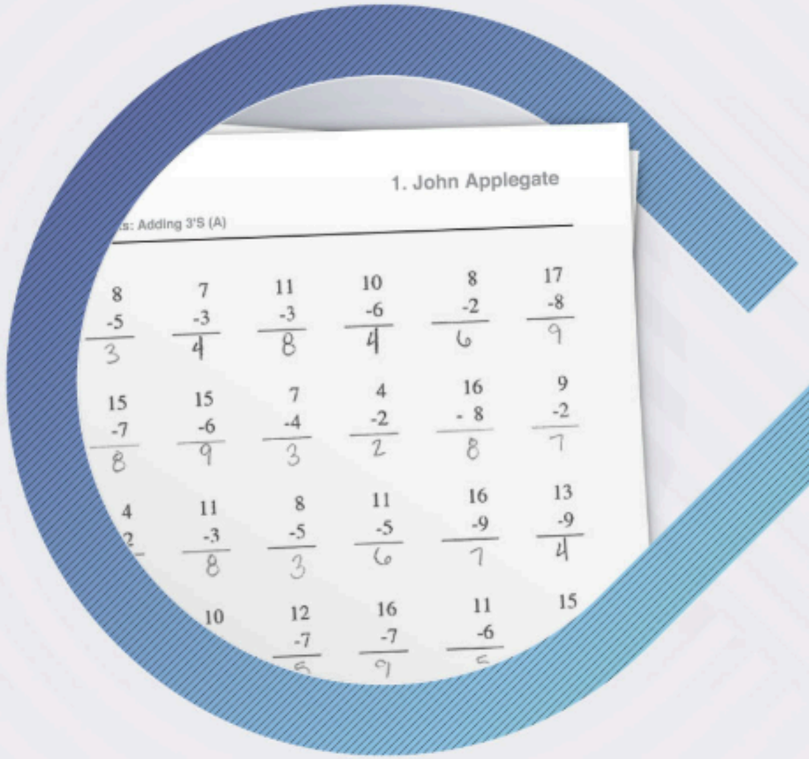
What is Formative Loop?

Teachers can use Formative Loop to provide kids with five-minute math drills each day. Print the exercises prior to class, have kids complete the exercises at the beginning of class, and grade them before the next day. View the reports to find out if any kids are struggling, and provide remedial instruction as needed.

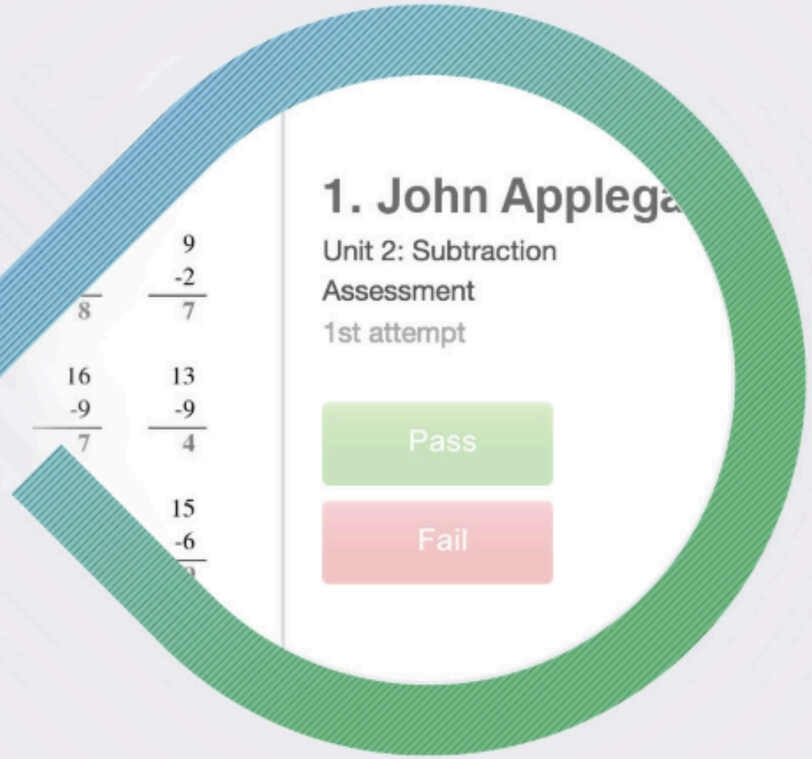
Formative Loop is an easy-to-use, streamlined way to provide kids with daily math practice. Kids benefit because they get individualized exercises based on progress. Teachers benefit because they get customized daily exercises that are ready to print, and they can view detailed reports that show when kids are struggling.

How it works

Your students complete a 5 minute individualized pencil-paper practice



You grade on the computer, then print tomorrow's exercises



Your students start by completing a 5-minute practice on paper which is individualized to their current level. Since it is a paper practice, a computer is not necessary for the students. Pencil-paper also provides the students the mechanical practice of number formation and showing their work on paper. Many campuses do this together at the same time after their morning meeting building upon the community focused effort.

You use the Formative Loop website to assess student progress. The system is designed so that anyone on your campus can grade. The classroom teacher, a math specialist, or even other staff can help. This flexibility makes it possible to match a campus wide program to your school's resources. Students never need to access the Formative Loop website.

After grading, a PDF is generated to print the exercises for the students to work on the following day. Schools that make a campus wide commitment see incredible progress unblocking higher-level problem-solving. This growth is compounded as students participate in the program year-over-year across grade levels.

Log Into Formative Loop

CLICK HERE

Watch the 1:24 minute video before logging in.

Set up your own login or sign in with mine:

mpentycofe@nrwcs.org
701209

*Everyone can see all of the classes in the district

Watch!

Video Tutorials

Throughout the Formative Loop website, there are short video tutorials embedded. Watch each video tutorial as you explore the website. These videos are typically around 2 minutes long and they will explain how to use each section of the website.





Add your class!

Watch the introduction video.

FormativeLoop

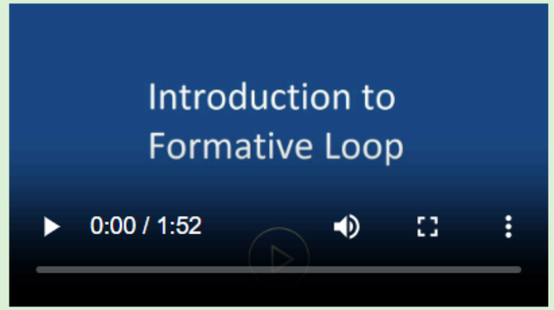
Meagan Pentycofe

Formative Loop / North Rose-Wolcott Elementary School

Help | Resources | Reports

Follow these steps to get started

- Set your password ✔
- Add your classroom(s) ✔
- Add any other teachers/graders ✔
- Watch our getting started videos



Add Classroom(s) | Add Teachers/Graders | ★ Show School Progress

Grade 1
Example Grade 1 Classroom

Grade 2
2024-2025 Marriott
Bradt/ Gropp
Miss Roberts 24-25
Mrs. Mitchell's 2nd Graders
Summer Program 2024
Example Grade 2 Classroom

Grade 3
Daniel Kim
Example Grade 3 Classroom

Grade 4
Arns
LeFevre
Mason
Example Grade 4 Classroom

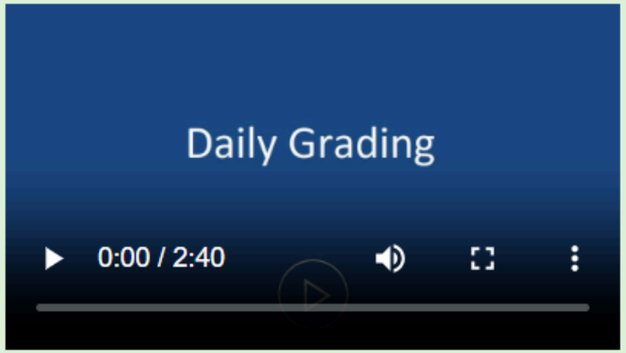
Grade 5
Example Grade 5 Classroom

Grade 6
Math WIN 3A/C
Math WIN 3B/D
Math WIN 5B/D
Example Grade 6 Classroom

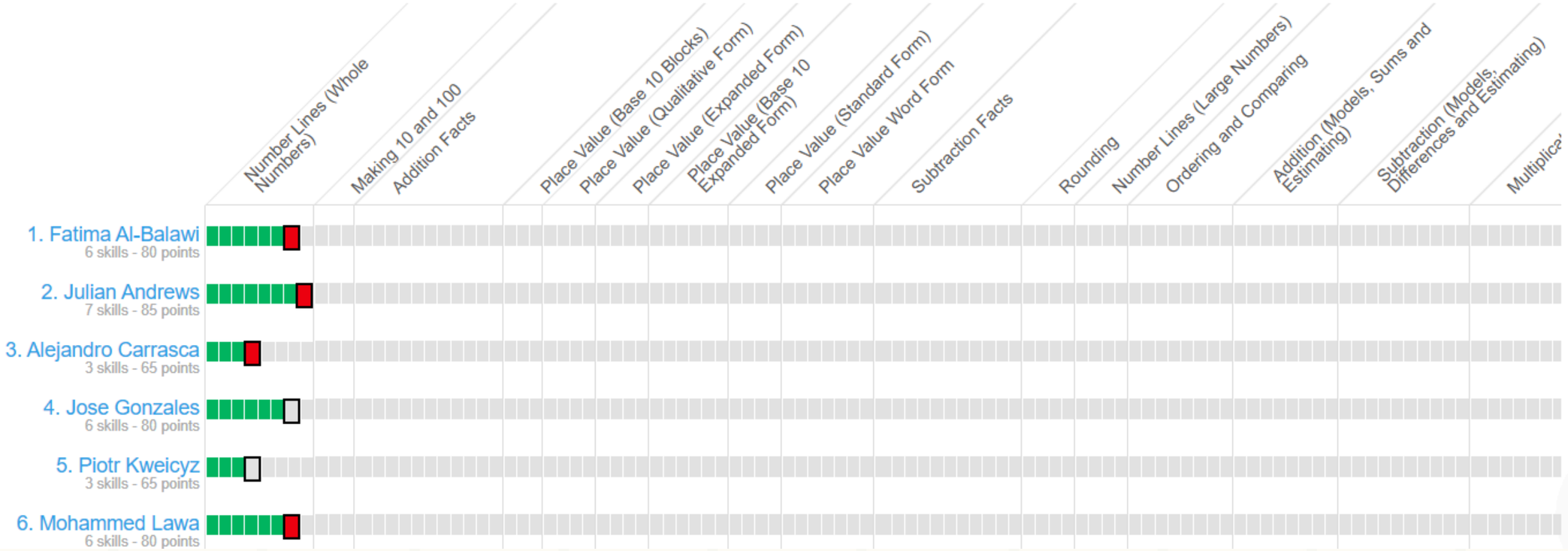
This is the screen that show student progress.

Time to start practicing!

- Check that your class list is correct and **Add or Remove Students**
- Pick where you want your class to start with **View Sequence and Skip Units**
- Set any students ahead or behind by clicking on the squares below
- Print the first set of exercises ✔
- Grade the first set of completed exercises ✔



✔ Start Grading | Add or Remove Students | View Sequence and Skip Units | Print Student Reports



Look at the grade level standards and set your entire class.

Set your classroom to any point in the 3rd Grade sequence

You can set all your students to be working on the same unit. This is useful when starting a class mid-year or to jump everyone to a particular unit. If any student has already completed the chosen unit it will be cleared so they can retake the unit (it will not clear their progress in other units). Click on any skill to see an example worksheet with answer key.

Number Lines (Whole Numbers)	Number Line 1'S - Level 1 Number Line 1'S - Level 2 Number Line 2'S - Level 1 Number Line 2'S - Level 2	Number Line 5'S - Level 1 Number Line 5'S - Level 2 Number Line 10'S - Level 1 Number Line 10'S - Level 2
Making 10 and 100	Even and Odd Numbers Making 10	Making 100
Addition Facts Skip-Ahead Assessment	Adding 1'S Adding 10'S Adding 2'S Adding 3'S Adding 4'S	Adding 5'S Adding 6'S Adding 7'S Adding 8'S Adding 9'S
Place Value (Base 10 Blocks)	Base 10 Blocks - 1'S, 10'S Base 10 Blocks - 1'S to 100'S	Base 10 Blocks - 1'S to 1,000'S
Place Value	Qualitative Form - 1'S, 10'S	Qualitative Form - 1'S to 1,000'S

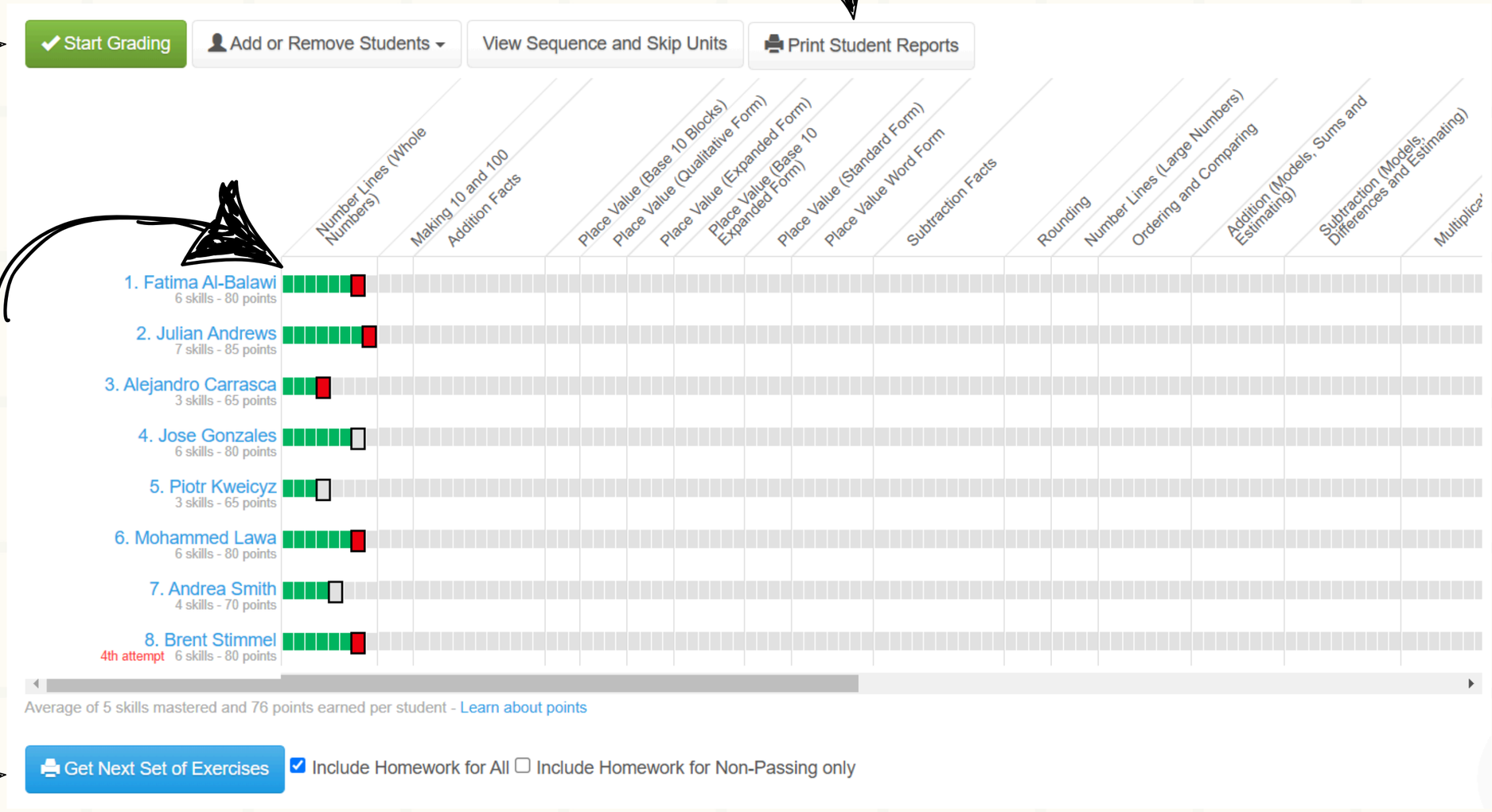
Look at the grade level standards and set your entire class.

Print reports!

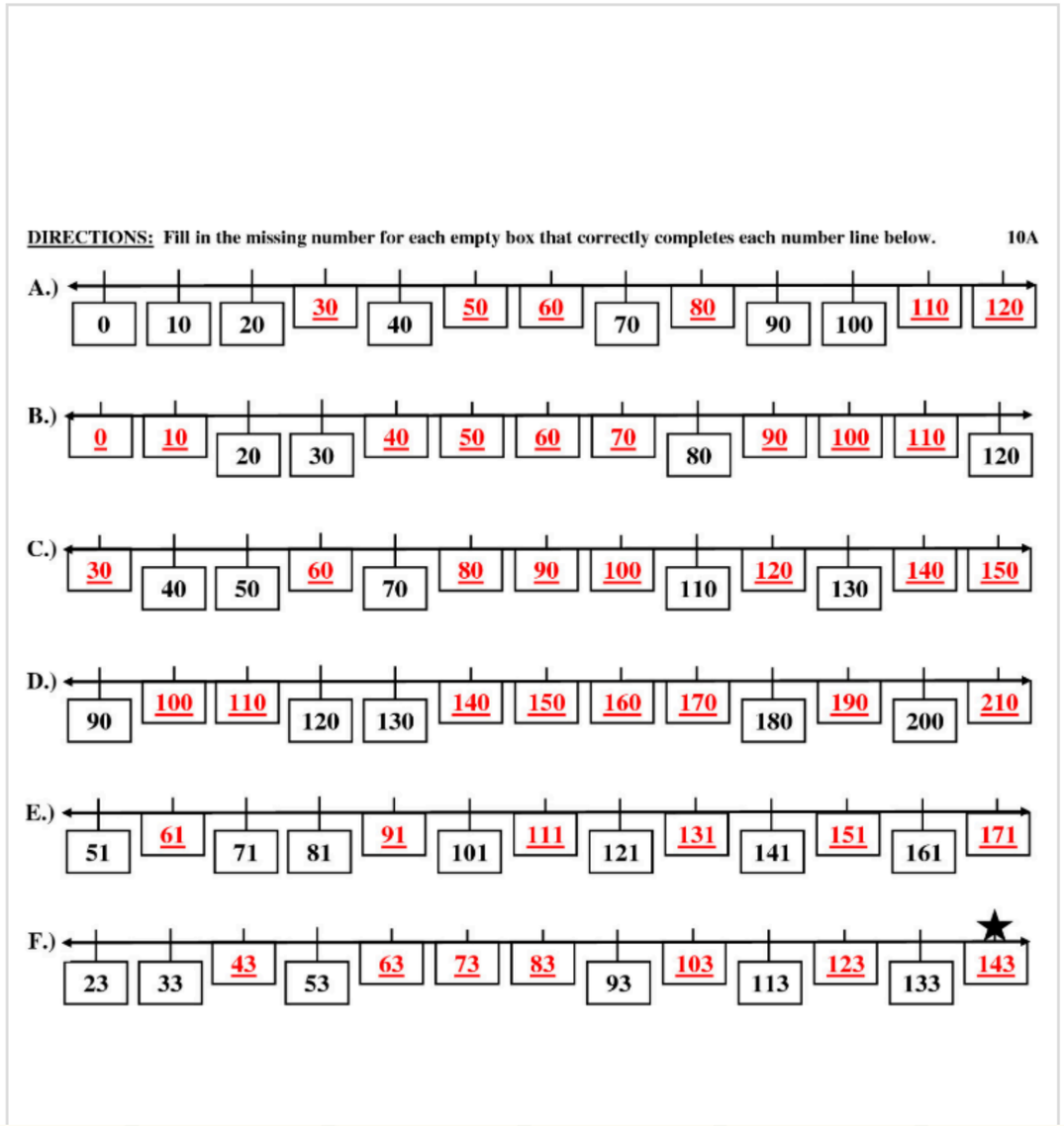
Grade the exercises here!

Hover over the boxes to see what the exercise is. Click on the boxes for more options, like setting a student or the class there.

Download and print the next set of exercises.



Grading:



DIRECTIONS: Fill in the missing number for each empty box that correctly completes each number line below. 10A

A.)

0	10	20	30	40	50	60	70	80	90	100	110	120

B.)

0	10	20	30	40	50	60	70	80	90	100	110	120

C.)

30	40	50	60	70	80	90	100	110	120	130	140	150

D.)

90	100	110	120	130	140	150	160	170	180	190	200	210

E.)

51	61	71	81	91	101	111	121	131	141	151	161	171

F.)

23	33	43	53	63	73	83	93	103	113	123	133	143 ★

1. Fatima Al-Balawi

Unit 1: Number Lines (Whole Numbers)
Number Line 10'S - Level 1
↻ 2nd attempt

- ◉ Absent (A)
- ○ Pass (P)
- ○ Retry (R)
- ○ Skip (S)

1 of 8 Next >

Report problem / Provide feedback on this exercise

★ indicates recommended number of correct answers to demonstrate mastery.

Collect the exercises in number order. Each student could be on a completely different exercise! Student must complete to the star, which could be in all different places on the exercise. You have options: Absent, Pass, Retry, or Skip. Grading should be quick!

Sample student report:

Fatima Al-Balawi Numeracy Progress as of 12/31/2024

Current Exercise Sheet: Number Lines (Whole Numbers): Number Line 10'S - Level 1 (A)

	Fatima Al-Balawi	North Rose-Wolcott Elementary School 3rd Grade average
Skills Mastered	6	1
Points Earned	80	29

Number Lines (Whole Numbers)

- Number Line 1'S - Level 1 ↻ ↻ ↻ ✓
- Number Line 1'S - Level 2 ✓
- Number Line 2'S - Level 1 ✓
- Number Line 2'S - Level 2 ✓
- Number Line 5'S - Level 1 ✓
- Number Line 5'S - Level 2 ✓
- Number Line 10'S - Level 1 ↻
- Number Line 10'S - Level 2

After the first set of exercises, when you print the student exercises, you will have a top sheet with a summary of students who pass, need to retry, or need reteaching.

Click here to learn about Formative Loop points!

Students are awarded points for practicing their math skills and even more for making progress. Each day, students will see their total points earned on the top of their practice paper.

Points are awarded even when students don't master a skill.
We want the students to feel encouragement even for trying as the practice is just as important as making progress.
The more engaged in practice our students are, the better the overall outcome will be.
The points are awarded like this:

- **Daily attempt (Retry) - 5 points**
- **Passing a skill - 10 points**
- **Passing a mixed assessment - 20 points**

Students are already motivated by just gaining points and seeing their progress. We also recommend that you build real-world reward programs off of these points. Having a large array of options is beneficial to the students
Here is a typical reward leveling:

- **100 points - large reward (trip to the treasure box, lunch with the teacher, Hershey kiss from the principal)**
- **50 points - medium reward (line leader, shoes off day, bring a toy from home)**
- **25 points - small reward (get a sticker, choose the story to be read, choose your seat)**

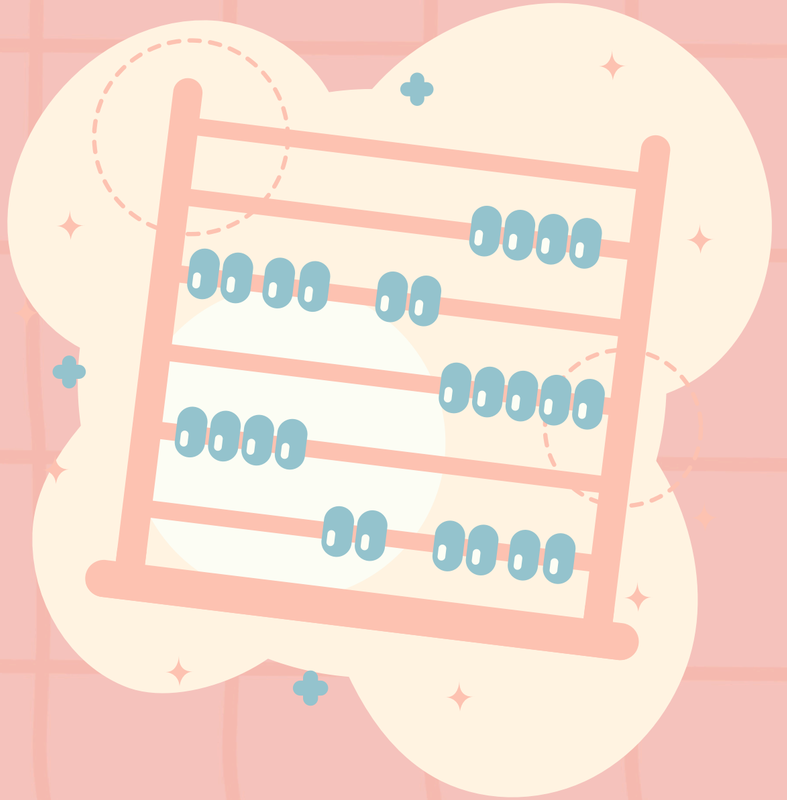
The average points-per-student is at the bottom of your class overview page. This lets classes compete on the progress they are making in math across the school.

Your turn!

Set up your class in Formative Loop.

Set the students to their first assessment. (Remember, everyone can start at the beginning, you can move the entire class to an exercise, or you can pick and choose starting points for each student individually.)

Download the first PDF. Give your students their first assessment! Score the completed exercises in the website. Download the next set of exercises.





GOOGLE FORM

