

MATH FACT FLUENCY TRACKER

A student's timed math-fact drill results: individual, small-group, caseload, and home versions, a fluency goal thermometer, and a filled example. Fillable PDF. Sets no fluency benchmark of its own—write in your own fact range and goal.

SETUP Fluency Goal & Criteria Guide

A blank reference page. Write in your own fact range, trial length, and goal; this file sets none of its own.

WRITE IN YOUR OWN NUMBERS

This file does not set a fact range, a trial length, a rate goal, or a fluency benchmark for any grade — those come from your own program and your team's own decisions. Fill in the table below once per term and refer back to it on every tracking sheet in this file.

Our program/curriculum name:

School year / term:

SETTING	VALUE	NOTES
Operation(s) being tracked		Write the operation(s) in use — addition, subtraction, multiplication, division, or a mix.
Fact range used for trials		Write your own fact range (for example, "facts to ____"), written by program and is not set by this file.
Length of each timed trial		Write your own trial length in minutes and seconds.
Rate goal, this marking period		Write the goal your team set for this student or class.
Rate goal, this school year		Write the year-long goal if your program sets one.
How often trials are checked		Write your own schedule: weekly, after every fact range, or monthly.
Who records the results		Write which adult updates the roster and the thermometer (teacher, paraprofessional, case manager).
YOUR TEAM'S OWN DECISION RULES (write these in; this file sets none)		
Signal to raise the goal.		Write your team's own rule for when a goal is increased.
Signal to add more support		Write your team's own rule for when a student needs more support to reach the current goal.
Signal to move to the next fact range		Write your team's own rule, from your own program, for when a fact range is advanced.
Signal to retry a trial		Write your own rule for when a student retries the same trial instead of moving on to the next fact range.

Term Planning Worksheet. One row per marking period, so a rate goal can grow (or reset) on purpose instead of by accident.

TRACKING Individual Timed-Trial Log

One row per timed trial, up to 18 trials. Fact range, time, attempted, correct, accuracy, and notes. The detailed version for close monitoring.

One student, logged trial by trial. Copy this page per student. Fill in the student name at the top, then add one row per timed trial.

Fill the columns: Fact Range = the facts drilled this trial; Time = trial length; # Attempted / # Correct = the raw counts; Accuracy % = correct ÷ attempted × 100; Rate = correct per minute, against your own criteria (page 5); Notes = anything that explains the result.

Student name: Grade:

DATE / FACT RANGE	TIME	# ATTEMPTED	# CORRECT	ACCURACY %	RATE	NOTES

TRACKING Small-Group Fluency Log

One shared fact range and trial, up to 4 students. Results recorded as each student finishes the timed trial.

Math block or small group, 4+ students. Write each student's name across the top. For each row, enter the date and fact range, then record each student's number correct once their trial is scored. Copy this sheet if you have more than 4 students in one group.

How to fill: Date / fact range: each student's number correct (blank until that student's trial is scored).

Write the four students' names at the top of the page:

Student 1: Student 2:

Student 3: Student 4:

DATE / FACT RANGE	STUDENT 1 (CORRECT)	STUDENT 2 (CORRECT)	STUDENT 3 (CORRECT)	STUDENT 4 (CORRECT)

SUMMARY Caseload Fluency Overview

One row per student: current rate, rate goal, fact range, last trial date. The whole caseload at a glance.

One check, whole caseload at a glance. Do this once a month. Fill in one row per student: current rate, rate goal, fact range, and the date of the last trial.

How to fill: Student name / current rate (most recent entry from page 13) / rate goal (from page 5b) / fact range in use / date of last trial.

Why this page: You check 10–15 students the same day. This is your monthly snapshot. For trial-by-trial detail, use page 7 (Individual Sheet).

STUDENT NAME	CURRENT RATE	RATE GOAL	FACT RANGE	LAST TRIAL DATE	NOTES

GOAL Fluency Goal Thermometer & Running Total

Color in the thermometer as trials meet goal, and log the running count in the table beside it. No number is pre-set; write in your own goal and track toward it.

No number is pre-set. Write in this student's own rate goal and the number of goal-met trials your team counts as on track, then color in the thermometer by hand (or shade it in a PDF app) as trials meet goal, one tick mark per ten percent of the way there.

STUDENT: RATE GOAL, THIS TERM: GOAL-MET TRIALS TO COUNT TOWARD: GOAL SET ON: _____



EXAMPLE A Tracking Sheet, Filled In

An invented third grader. Every count, accuracy percent, and rate below is checked against the rows it comes from.

An invented third grader, Maya R. Every fact range, count, and rate is made up. These four trials hang together: a rate that climbs trial over trial, and a running count and percent that match the arithmetic exactly.

The fact range and numbers are invented and are not a reproduction of any specific curriculum's assessment.

Individual Timed-Trial Log Example (partial) — Maya R., grade 3 (invented)

DATE	FACT RANGE	TIME	# ATTEMPTED	# CORRECT	ACCURACY %	RATE	NOTES
Oct 5	Multiplication 0-9, mixed	1:00	40	32	80%	32	First timed trial.
Oct 9	Multiplication 0-9, mixed	1:00	44	38	86%	38	More problems attempted.
Oct 14	Multiplication 0-9, mixed	1:00	46	42	91%	42	Rate at goal.
Oct 21	Multiplication 0-9, mixed	1:00	48	46	96%	46	Rate above goal.

This example shows 4 trials. A real page 7 would have up to 18 rows for a full term.

Fluency Goal Thermometer & Running Total (page 13) — Maya's Entries

Rate goal, this term: 40 correct per minute. Goal-met trials to count toward: 3.

DATE	FACT RANGE	RATE	MET GOAL?	RUNNING COUNT	% OF TARGET
Oct 5	Multiplication 0-9	32	No	0	0%
Oct 9	Multiplication 0-9	38	No	0	0%
Oct 14	Multiplication 0-9	42	Yes	1	33%
Oct 21	Multiplication 0-9	46	Yes	2	67%

Met Goal is YES once Rate reaches the 40-correct-per-minute goal (Oct 14 and Oct 21). Running Count is a plain cumulative count of YES rows. 0, 0, 1, 2, % of Target = running count ÷ 3 × 100, rounded. 2 ÷ 3 = 0.667 = 67%. The thermometer bar would be shaded.

Fillable PDF

18 Pages

Fluency Goal

Home Log

Three steps: set the fluency goal, pick the sheet that matches today, and roll the numbers up before a meeting. Everything here is a plain timed-trial log, not a set of practice worksheets.

ONE: SET THE FLUENCY GOAL (once per student, at the start of the term)

- Page 5: Write in your own fact range, trial length, and fluency criteria, if your program uses one.
- Page 6: List the student on the Caseload Fluency Roster with their rate goal for this term, pulled from your own program or your team's own goal-setting rule.
- Page 11: Write the same rate goal at the top of the Fluency Goal Thermometer so every trial below rolls up toward one number.

TWO: PICK THE SHEET THAT FITS TODAY

- **Full detail, one student at a time:** Use page 7 (Individual Timed-Trial Log). Copy it per student. Save with the student's name: "Aiden-Fluency-Log.pdf."
- **Quick check when you have no time:** Use page 8 (Quick Fluency Check-In Log). Just the day's numbers.
- **Math block or small group, several students:** Use page 9 (Small-Group Fluency Log). One shared fact range, up to 4 students.
- **Monthly caseload check:** Use page 10 (Caseload Fluency Overview). Check all your students the same day.

THREE: LOG EVERY TRIAL, THEN ROLL IT UP

- After each timed trial, write the operation, fact range, trial length, number attempted, and number correct on page 7 (or page 8 for the fast version).
- Write the accuracy percent and rate (correct per minute), worked out from those numbers.
- Add the result to the running count on page 11 (Fluency Goal Thermometer) and color in the bar to match.
- Note anything that explains the result on page 7 or 8: "new fact range introduced," "untimed warm-up first," "retried same trial next day."

FOUR: REPORT PROGRESS

- Once a month or at the end of a marking period, fill out page 13 (Fluency Progress Snapshot) for a team meeting or a note to families.
- Send the Home Math Fact Practice Log (page 12) home so families can log at-home practice time between trials.

What this is not

This is not a set of math-fact worksheets or flashcards, and it does not set its own fluency benchmark, grade-level cutoff, or age range. It is the running timed-trial log and fluency goal count a case manager, teacher, or family keeps between drills. Example students are invented. Names and numbers are made up.

The habits this file assumes

- ☐ A fluency goal is written down (page 5 or 6) before the first trial is logged.
- ☐ Every trial gets a date and a time, even a quick one.
- ☐ A trial is only counted once it has attempted and correct numbers on a tracking sheet.

Why six sheet shapes instead of one

One student needs the full detail (page 7). A whole caseload needs the fast version (pages 8 and 10). A small group needs one shared sheet (page 9). A family needs a version with no timing on it at all (page 12).

TRACKING Individual Timed-Trial Log

One row per timed trial, up to 18 trials. Fact range, time, attempted, correct, accuracy, and notes. The detailed version for close monitoring.

One student, logged trial by trial. Copy this page per student. Fill in the student name at the top, then add one row per timed trial.

Fill the columns: Fact Range = the facts drilled this trial; Time = trial length; # Attempted / # Correct = the raw counts; Accuracy % = correct ÷ attempted × 100; Rate = correct per minute, against your own criteria (page 5); Notes = anything that explains the result.

Student name: Grade:

DATE / FACT RANGE	TIME	# ATTEMPTED	# CORRECT	ACCURACY %	RATE	NOTES

SUMMARY

Caseload Fluency Overview

One row per student: current rate, rate goal, fact range, last trial date. The whole caseload at a glance.

One check, whole caseload at a glance. Do this once a month. Fill in one row per student: current rate, rate goal, fact range, and the date of the last trial.

How to fill: Student name · current rate (most recent entry from page 11) · rate goal (from page 5/6) · fact range in use · date of last trial.

Why this page: You check 10–15 students the same day. This is your monthly snapshot. For trial-by-trial detail, use page 7 (Individual Sheet).

STUDENT NAME	CURRENT RATE	RATE GOAL	FACT RANGE	LAST TRIAL DATE	NOTES

Reading the caseload at a glance

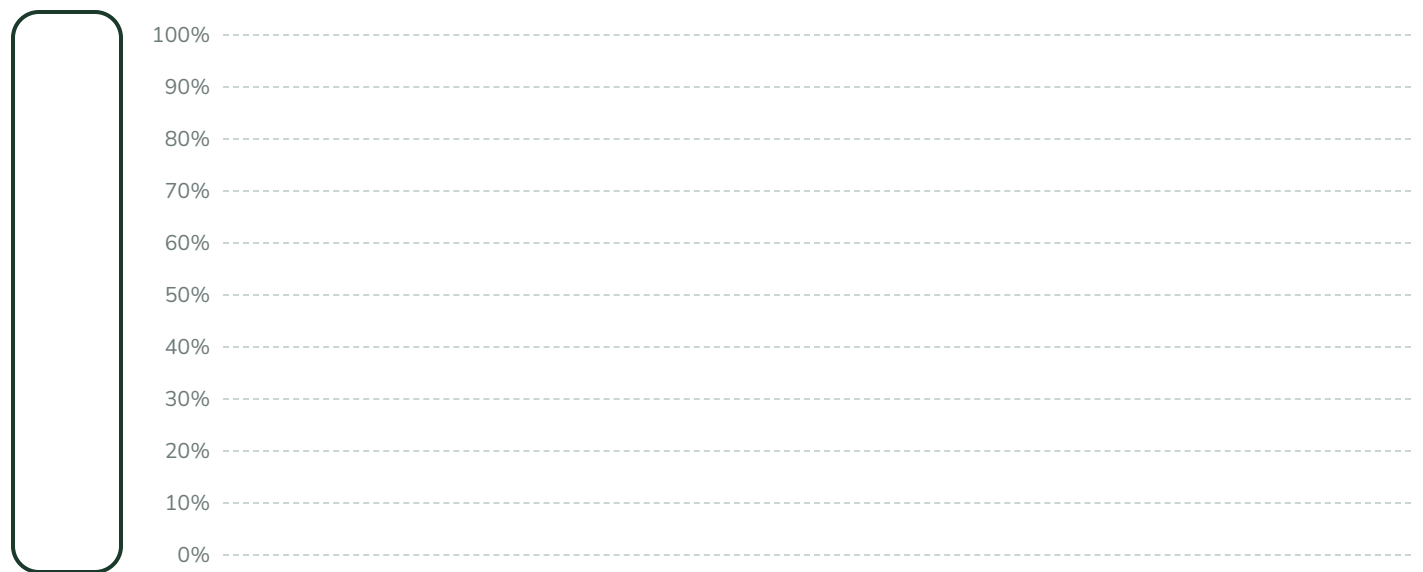
A student well behind their own goal is the one to check first.

GOAL Fluency Goal Thermometer & Running Total

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STUDENT	RATE GOAL, THIS TERM	GOAL-MET TRIALS TO COUNT TOWARD	GOAL SET ON
.....			



Running count: one row every timed trial. Met Goal? is YES if Rate meets or beats the goal above. Running Count is a cumulative count of YES rows; % of Target = running count ÷ goal-met trials to count toward × 100, rounded to the nearest whole percent.

DATE	FACT RANGE	RATE	MET GOAL?	RUNNING COUNT	% OF TARGET

Reading the bar

The bar is a plain visual for the running count above; shade it to the nearest tick mark for the current % of target.

EXAMPLE

A Tracking Sheet, Filled In

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Fluency Goal Thermometer & Running Total (page 11) — Maya's Entries

Rate goal, this term: 40 correct per minute. Goal-met trials to count toward: 3.

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Met Goal is YES once Rate reaches the 40-correct-per-minute goal (Oct 14 and Oct 21). Running Count is a plain cumulative count of YES rows: 0, 0, 1, 2. % of Target = running count ÷ 3 × 100, rounded: $2 \div 3 = 0.667 = 67\%$. The thermometer bar would be shaded to the 67% tick mark.

Fluency Progress Snapshot for Maya's October Meeting

PERIOD	TRIALS COMPLETED	AVERAGE RATE	GOAL-MET TRIALS	FACT RANGE(S)	TREND
Oct 1–21	4	39.5	2 of 4	Multiplication 0–9	Rate increasing each trial

Checked against the timed-trial table above: 4 trials, average rate $(32+38+42+46) \div 4 = 39.5$, goal met on 2 of the 4 rows logged on the individual sheet.

What the Family and Team Update (page 14) would say

Current fact range: Multiplication 0–9, mixed. Rate since the last update: increased from 32 to 46 correct per minute across four trials. Trials meeting goal so far: 2 of 3 target. Next check planned for the first week of November, the same date noted on the thermometer and the snapshot above.