

Multiplication Facts Fluency Timed Progress Probes

SECTION 2 · FOUR TIMED FORMS

MULTIPLICATION FACT FLUENCY PROBES

FORM A Multiplication Facts — Form A

My name: _____ Date (optional): _____

✎ Write the answer to each fact. Go as fast as you can!

1 4 × 3 =

2 9 × 9 =

3 7 × 8 =

4 2 × 4 =

5 2 × 5 =

6 8 × 5 =

7 5 × 3 =

8 3 × 9 =

9 10 × 8 =

10 6 × 6 =

11 7 × 7 =

12 4 × 2 =

13 5 × 10 =

14 4 × 10 =

15 10 × 10 =

16 10 × 5 =

17 8 × 9 =

18 8 × 6 =

19 4 × 7 =

20 6 × 8 =

21 6 × 5 =

22 2 × 10 =

23 8 × 7 =

24 9 × 6 =

25 5 × 7 =

26 10 × 9 =

27 2 × 7 =

28 6 × 10 =

29 7 × 9 =

30 10 × 2 =

31 3 × 2 =

32 4 × 6 =

33 8 × 10 =

34 6 × 9 =

35 8 × 4 =

36 6 × 7 =

37 9 × 8 =

38 7 × 3 =

39 2 × 2 =

40 10 × 7 =

Multiplication Facts Fluency, Timed Progress Monitoring Probes

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BRIGHT PATH SPED

MULTIPLICATION FACT FLUENCY PROBES

Multiplication Facts Fluency — Goal and Directions

For one skill. Timed; score is facts correct per minute (FCPM) and accuracy, together.

Single-digit multiplication facts (products 4 to 100, no zero or one factor) in writing, under a four equivalent forms, forty facts each, so the sheet rarely runs out before the time does.

Accuracy together — facts correct per minute (FCPM) — never accuracy alone.

EDIT EVERY BRACKET TO FIT THE STUDENT

2-minute timed single-digit multiplication fact probe (products 4 to 100, mixed facts) answer [15] facts per minute with at least [85] percent accuracy on [3] probes as measured by teacher-administered Multiplication Facts Fluency probes (forms A-D, page 10-13)

CRITERION (FCPM, AND ACCURACY PERCENT, TOGETHER)

SUPPORT) ON ____ OF ____ CONSECUTIVE PROBES

IN THE WORDS OF THE AS MEASURED BY (MULTIPLICATION FACTS FLUENCY PROBES, FORMS A-D, PAGE 10-13)

ON THREE MAKE THE

MEDIAN FCPM (THE BASELINE)

BENCHMARKS TOWARD THE GOAL

#	BENCHMARK	TARGET DATE	TARGET FCPM / ACCURACY	ACTUAL	MET?
1					
2					
3					

ten on the goal box and used every time. Say: "Write the answer to each fact sure, keep going." Hand the student the form and a pencil. Start the timer.

r confirm an answer during the probe. Stop exactly at the time limit, even if the student was working on.

FCPM = facts correct ÷ seconds elapsed × 60, rounded to the nearest whole number.

near together — an FCPM reached by writing quickly past wrong answers

CEPTED

WHAT THE ERRORS SAY TO RETEACH (CARRY OVER FROM THE LOG)

Page 8 of 23

BRIGHT PATH SPED

BRIGHT PATH SPED

23 PAGES

FOUR TIMED FORMS

SPEED + ACCURACY TOGETHER

FILLABLE PDF

✦ BRIGHT PATH SPED

What Is Inside, and Where

23 pages, one skill, start to finish: no norm-referenced score, no fixed fluency cutoff.

Before you begin

PAGE 4



Start Here —
Three Steps
START HERE

4

01 Set Up

PAGES 6–8



Binder Cover and
Divider Tabs
SETUP

6



How This Pack
Works
REFERENCE

7



Multiplication
Facts Fluency —
Goal and
Directions
GOAL

8

02 Four Timed Forms

PAGES 10–14



Multiplication
Facts — Form A
FORM A

10



Multiplication
Facts — Form B
FORM B

11



Multiplication
Facts — Form C
FORM C

12



Multiplication
Facts — Form D
FORM D

13



Scoring Keys —
Forms A–D
REFERENCE

14

03 Track, Report and Share

PAGES 16–22



Multiplication
Facts Fluency —
Data Log and
Graph
TRACKER

16



Quick-Response
Observation
Checklist
CHECKLIST

17



Caseload
Summary
ROSTER

18



Quick Reference
for a Second Adult
NOTES

19



Family Update —
This Skill's
Progress
NOTES

20



Progress Note
Phrase Bank
REFERENCE

21



A Filled-In Data
Log (Invented
Student)
EXAMPLE

22

Reading the tags: **Setup** is typed once, before the first probe; **Goal** is the sample and the six-part frame; **Form A–D** are the four student practice pages; **Reference** is the shared scoring keys and the phrase bank; **Tracker** rolls several weeks onto one page; **Checklist** is marked during or right after a probe; **Roster** puts a whole caseload on one grid; **Notes** is ready to send or read back to a family or a second adult; **Example** is the worked, invented sample.

Start Here — Three Steps

Ninety seconds of reading; the weekly routine takes about five.



1

Baseline, then write the goal

Give Forms A, B and C on three different days at the same time limit; the middle FCPM (facts correct per minute) score is the baseline (page 8).

Write the goal from the six-part frame, starting from the sample and changing every bracket to fit the student.



2

Probe once a week, timed

Rotate the forms (A, B, C, D, A...), never the same one two weeks running. Every form is forty facts; the time limit, not the sheet, decides when the probe ends.

Score against the keys page (page 14) and log the same day (page 16); the log turns the raw count and time into facts correct per minute.



3

Watch, decide, report, share

The quick-response checklist (page 17) notes whether answers come instantly or are worked out with a strategy, and gives the team a place to write its own call on automaticity — never a cutoff this file sets.

The family update (page 20) and the phrase bank (page 21) turn the log into a note without a separate write-up.

WHAT THIS FILE IS

A fillable PDF. The goal page, the log, the checklist, the caseload page, the second-adult reference and the organizer are type-in; the four student practice pages and the scoring-keys page print (a child answers in pencil, by hand).

WHAT THIS FILE IS NOT

Not a Google Sheets file, a Google Doc or an Excel workbook, and not a norm-referenced test. It carries no fixed fluency benchmark score — your team decides what fluent enough means for this student, from the baseline and the IEP.

EQUIVALENT FORMS, AND WHY IT MATTERS

Every form has 40 facts — 20 with a product of forty or less, 20 with a product greater than forty — drawn without repeating within that form. A rate on one form means the same as a rate on another, so the line on the graph is the student, not the paper.

CONFIDENTIALITY, IN ONE PARAGRAPH

A filled-in log is a student record. It stays in the data folder, never where another family can see it. Use initials on any page that leaves your hands; the family update carries a first name only.

PRINT AND PREP

- ☐ One clean student copy of each form; the child writes the answer directly on it, in pencil.
- ☐ A stopwatch or phone timer; the time limit is written on the goal page.
- ☐ The caseload page prints once a month.

IF SOMETHING DOES NOT WORK

The text disappears when I close it. It was opened in something that fills fields but does not save them. Open it in Acrobat Reader and use Save As.
Anything else — the **Ask a Question** tab on the product page. Every question is read, and a fix to the file is a free update.

GOAL

Multiplication Facts Fluency — Goal and Directions

Goal, baseline and directions for one skill. Timed; score is facts correct per minute (FCPM) and accuracy, together.

The student answers single-digit multiplication facts (products 4 to 100, no zero or one factor) in writing, under a fixed, team-set time limit. Four equivalent forms, forty facts each, so the sheet rarely runs out before the time does. The score is speed and accuracy together — facts correct per minute (FCPM) — never accuracy alone.

SAMPLE GOAL — INVENTED; EDIT EVERY BRACKET TO FIT THE STUDENT

By [May 20], when given a [2]-minute timed single-digit multiplication fact probe (products 4 to 100, mixed order), [Student] will correctly answer [15] facts per minute with at least [85] percent accuracy on [3] consecutive weekly probes, as measured by teacher-administered Multiplication Facts Fluency probes (forms A–D, page 10–13).

BY (DATE)

CRITERION (FCPM, AND ACCURACY PERCENT, TOGETHER)

GIVEN (TIME LIMIT, ANY ALLOWED SUPPORT)

ON ____ OF ____ CONSECUTIVE PROBES

STUDENT WILL (ANSWER / WRITE, IN THE WORDS OF THE PROBE)

AS MEASURED BY (MULTIPLICATION FACTS FLUENCY PROBES, FORMS A–D, PAGE 10–13)

BASELINE: GIVE FORMS A, B AND C ON THREE DAYS AT THE SAME TIME LIMIT, TAKE THE MIDDLE FCPM SCORE

BASELINE PROBE 1	BASELINE PROBE 2	BASELINE PROBE 3	MEDIAN FCPM (THE BASELINE)

BENCHMARKS TOWARD THE GOAL

#	BENCHMARK	TARGET DATE	TARGET FCPM / ACCURACY	ACTUAL	MET?
1					
2					
3					

GIVING AND SCORING THE PROBE

- ☐ Same time limit every session, written on the goal box and used every time. Say: “Write the answer to each fact as fast as you can. If you are not sure, keep going.” Hand the student the form and a pencil. Start the timer.
- ☐ Let the student write; do not help or confirm an answer during the probe. Stop exactly at the time limit, even mid-item, and circle the last item the student was working on.
- ☐ Score against the keys (page 14): $\text{FCPM} = \text{facts correct} \div \text{seconds elapsed} \times 60$, rounded to the nearest whole number. $\text{Accuracy} = \text{correct} \div \text{facts reached}$.
- ☐ A criterion needs BOTH numbers to clear together — an FCPM reached by writing quickly past wrong answers is not fluency.

SCORING RULES FOR THIS STUDENT (ACCEPTED REVERSALS, SUPPORTS ALLOWED)

WHAT THE ERRORS SAY TO RETEACH (CARRY OVER FROM THE LOG)

FORM A

Multiplication Facts — Form A

My name: _____ Date (optional): _____

 Write the answer to each fact. Go as fast as you can!

$$\begin{array}{r} 1 \quad 4 \times 3 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 2 \quad 9 \times 9 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 3 \quad 7 \times 8 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 4 \quad 2 \times 4 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 5 \quad 2 \times 5 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 6 \quad 8 \times 5 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 7 \quad 5 \times 3 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 8 \quad 3 \times 9 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 9 \quad 10 \times \\ 8 = \end{array} \quad \square$$

$$\begin{array}{r} 10 \quad 6 \times 6 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 11 \quad 7 \times 7 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 12 \quad 4 \times 2 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 13 \quad 5 \times \\ 10 = \end{array} \quad \square$$

$$\begin{array}{r} 14 \quad 4 \times \\ 10 = \end{array} \quad \square$$

$$\begin{array}{r} 15 \quad 10 \times \\ 10 = \end{array} \quad \square$$

$$\begin{array}{r} 16 \quad 10 \times \\ 5 = \end{array} \quad \square$$

$$\begin{array}{r} 17 \quad 8 \times 9 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 18 \quad 8 \times 6 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 19 \quad 4 \times 7 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 20 \quad 6 \times 8 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 21 \quad 6 \times 5 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 22 \quad 2 \times \\ 10 = \end{array} \quad \square$$

$$\begin{array}{r} 23 \quad 8 \times 7 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 24 \quad 9 \times 6 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 25 \quad 5 \times 7 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 26 \quad 10 \times \\ 9 = \end{array} \quad \square$$

$$\begin{array}{r} 27 \quad 2 \times 7 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 28 \quad 6 \times \\ 10 = \end{array} \quad \square$$

$$\begin{array}{r} 29 \quad 7 \times 9 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 30 \quad 10 \times \\ 2 = \end{array} \quad \square$$

$$\begin{array}{r} 31 \quad 3 \times 2 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 32 \quad 4 \times 6 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 33 \quad 8 \times \\ 10 = \end{array} \quad \square$$

$$\begin{array}{r} 34 \quad 6 \times 9 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 35 \quad 8 \times 4 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 36 \quad 6 \times 7 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 37 \quad 9 \times 8 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 38 \quad 7 \times 3 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 39 \quad 2 \times 2 \\ = \end{array} \quad \square$$

$$\begin{array}{r} 40 \quad 10 \times \\ 7 = \end{array} \quad \square$$

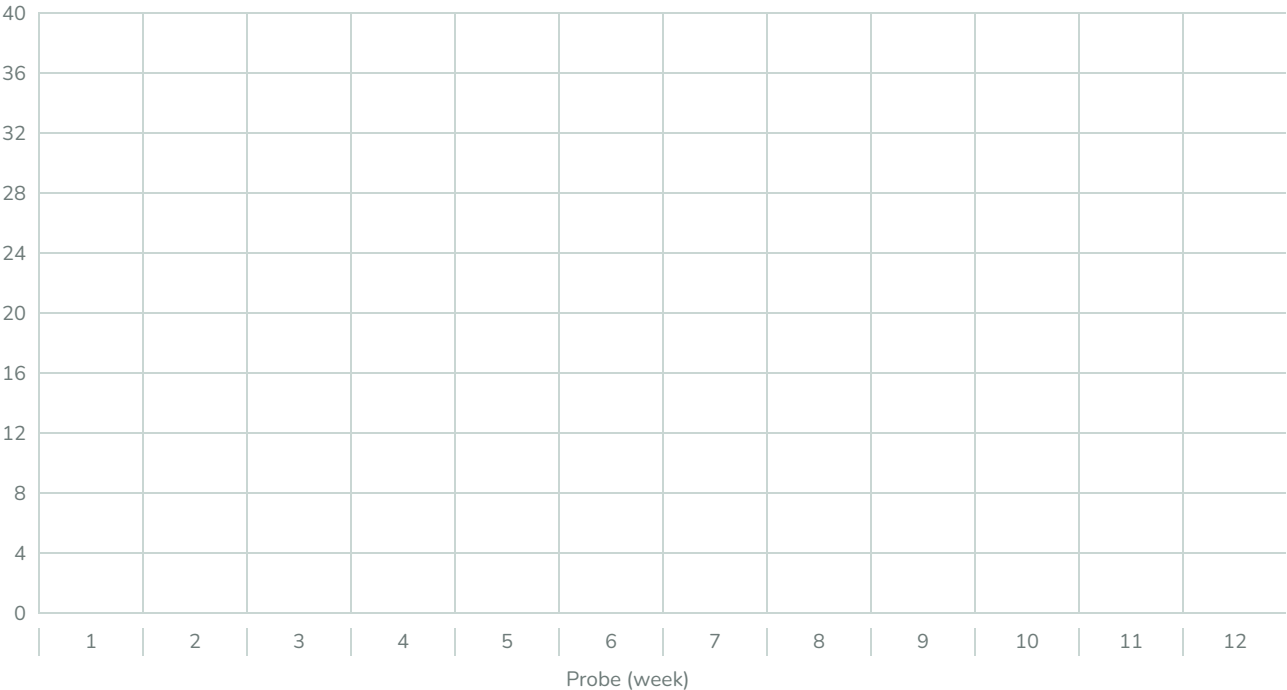
TRACKER

Multiplication Facts Fluency — Data Log and Graph

One row per probe. Three points in a row under the aim line is a decision: change the teaching and write what changed in the notes.

STUDENT	CRITERION / AIM (FCPM)	GOAL DATE

FACTS CORRECT PER MINUTE (FCPM), 0 TO 40 · DRAW THE AIM LINE FROM THE BASELINE TO THE CRITERION FIRST, THEN PLOT EACH WEEK



#	DATE	FORM	TIME (SEC)	REACHED	CORRECT	ERRORS	FCPM	NOTES
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

 CHECKLIST

Quick-Response Observation Checklist

Not a second score. A place to watch HOW the answer came out — recalled instantly, or worked out with a strategy — and for the team to write its own call on automaticity.

STUDENT WEEKS COVERED FORM ROTATION

#	DATE	FORM	INSTANT RECALL (TALLY)	USES A STRATEGY (TALLY)	GUESS / BLANK (TALLY)	NOTES (WHICH FACTS, WHAT PATTERN)
1						
2						
3						
4						
5						
6						
7						
8						

HOW TO MARK IT

- ☐ Instant recall: the answer is written within about a second, no visible counting, finger use or subvocalizing.
- ☐ Uses a strategy: the student counts on fingers, makes tally marks, counts up out loud or visibly pauses before writing a correct answer.
- ☐ Guess / blank: a wrong answer written quickly, or the item is left blank.
- ☐ Tallies are marks, not a score — they describe the SAME probe scored on the graph page (page 16), not a different one.

WHAT THIS PAGE IS FOR

A rising FCPM built on instant recall and a rising FCPM built on counting strategies are two different skills, even when the number on the graph looks the same. This page is where that difference gets written down, so the reteach plan matches what is actually happening, not just the rate.

AUTOMATICITY, IN THE TEAM'S OWN WORDS — NOT A CUTOFF THIS FILE SETS

There is no fixed number of tallies or FCPM score anywhere in this file that means “fluent.” Write your team’s own call below, and change it whenever the pattern changes.

THIS RANGE IS (FLUENT / STILL BUILDING / MIXED), AND WHY

DATE OF THIS CALL

EXAMPLE

A Filled-In Data Log (Invented Student)

SAMPLE · INVENTED STUDENT

Rowan is invented, third grade. Twelve weekly timed probes, the aim line, the change three flat points forced, and why accuracy alone did not clear the goal.

THE GOAL, AS WRITTEN FOR ROWAN, THIRD GRADE (INVENTED)

By May 20, when given a 2-minute timed single-digit multiplication fact probe (products 4 to 100, mixed order), Rowan will correctly answer 15 facts per minute with at least 85 percent accuracy on 3 consecutive weekly probes, as measured by teacher-administered Multiplication Facts Fluency probes (forms A–D).

#	DATE	FORM	TIME (SEC)	REACHED	CORRECT	ERRORS	FCPM	NOTES
1	9/9	A	120	18	8	10	4	baseline
2	9/10	B	120	20	10	10	5	baseline
3	9/11	C	120	19	10	9	5	baseline (median of 4, 5, 5 = 5)
4	9/18	D	120	21	10	11	5	flat vs. baseline
5	9/25	A	120	22	12	10	6	flat vs. baseline
6	10/2	B	120	23	14	9	7	3 probes flat: added a daily skip-counting drill on 6s and 7s
7	10/9	C	120	25	16	9	8	–
8	10/16	D	120	26	18	8	9	–
9	10/23	A	120	28	22	6	11	errors now mostly the 8s and 9s
10	10/30	B	120	30	26	4	13	accuracy 86.7%, FCPM still under 15
11	11/6	C	120	32	28	4	14	accuracy 87.5%, FCPM still under 15
12	11/13	D	120	31	28	3	14	accuracy 90.3%, FCPM one point under 15

HOW TO READ THE LOG

- ☐ Baseline was the median of three forms on three days: 4, 5 and 5 FCPM, so 5. Not the average, not the best.
- ☐ The aim line runs from 5 FCPM in week 1 to 15 FCPM at the goal date. Probes 4, 5 and 6 (5, 6, 7) showed rising scores but still flat against a moving aim line: the teaching changed (a daily skip-counting drill on 6s and 7s) and the change is written on the row.
- ☐ Errors stayed at about 9–11 for the first several probes, then dropped to 6 by probe 9 — the note column tells the teacher which facts to reteach.
- ☐ Accuracy cleared 85 percent on the last three probes in a row (86.7%, 87.5%, 90.3%) but FCPM has not: 13, 14 and then 14, one point under the 15 target on the two most recent probes. A criterion needs both together, so it is not yet met even though the accuracy half already is.

THE PROGRESS REPORT SENTENCE THIS LOG PRODUCES

“On weekly timed multiplication fact probes (40 single-digit facts, a two-minute time limit), Rowan answered 4 to 5 facts correctly per minute at about 45 percent accuracy in early September (probes 1–3), and 14 facts correctly per minute at 90 percent accuracy on the most recent probe in November. Accuracy has met the 85 percent target for three probes in a row; speed has not yet reached the 15-FCPM target. Progress is steady; the goal is not yet met.” Every number in it is on the log above; nothing is from memory.