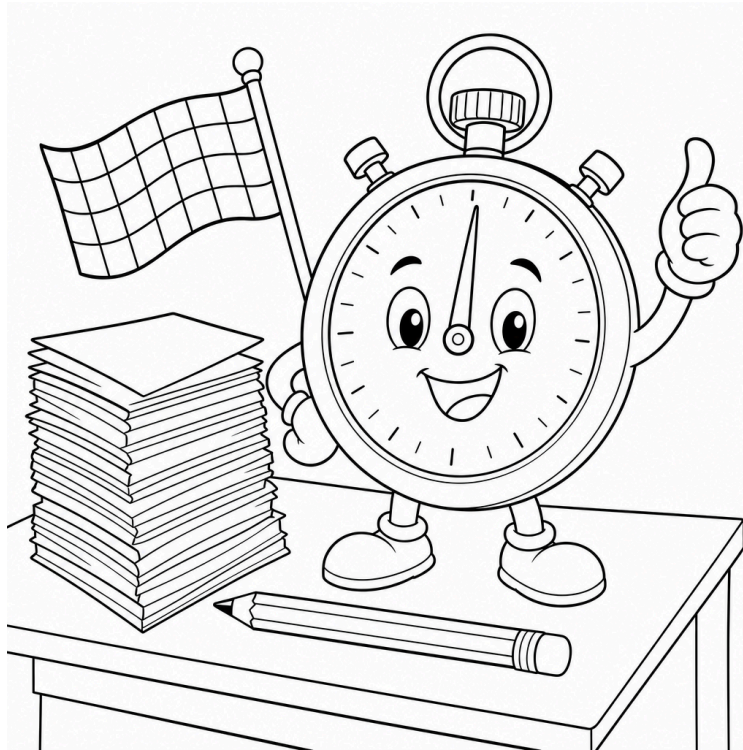


THE SPEED BUREAU

Fast-Facts Field Test • Adding & Subtracting to 20



Speed Agent: Penelope

You already KNOW your facts. This is the Bureau's speed test: how many can you fire off in **one minute**? Run the drill each day and watch your own record climb. Beat yesterday — that's the whole mission.

How to Run the Drill

This is a measuring tool, not a teaching page.

Penelope already adds and subtracts within 20 **accurately** (~88% add / 93% sub, untimed). What she doesn't have yet is **speed** — the facts aren't automatic. This packet is the **instrument that measures that speed** and gives her a target to chase. It doesn't teach a new method; if a fact stalls, fall back to the **make-a-ten** move from the Ten Machine packet, then re-flash it cold.

THE AIM (what "fluent" means here)

Push the ORAL rate. You hold the sheet, she **says** the answers as you point; you count how many in **one minute**. Target: **30–40 problems per minute with 2 or fewer errors, hit on 2 of 3 separate days**. Oral removes her slow handwriting from the measurement, so it's the truest read of fact fluency — this is the number to grow.

The WRITTEN rate floats up with her handwriting. Because her hand is still slow, the written target is set to **about two-thirds of her own digit-writing speed** — measure that first on the next page. Expect a written rate near the **grade-2 ~20 digits-correct-per-minute** band; that's lower than the oral aim **on purpose**. (This written number is a directional target, not a hard line — don't treat it as pass/fail.)

Each session (5 minutes)

1. Warm up on the within-10 page once (page 4) — confidence, not scoring.
2. Pick **one** sprint sheet (A, B, or C). Do a different one each day — they're equal difficulty, so the daily numbers compare fairly.
3. Timer for **1 minute**. She works top-to-bottom, fast. At the beep she draws a line under the last one she finished.
4. Grade only what she answered: **count the correct ones**. Write the date and that number in the record box, plus her best-yet. **A rising personal best beats any fixed score** at this age.

When has she "got it"?

The fluency gate fires only **after** she understands the facts (she does) — speed is never a shortcut past understanding. Call it mastered when she hits the **oral 30–40/min** aim on 2 of 3 days. Log her daily rate; I'll calibrate the next drill from it.

Writing Speed Test

First we measure your PENCIL, not your math.

Coach: before speed can be judged fairly, we measure how fast her hand writes digits. Set the timer for **1 minute** and have her copy the number pattern below **over and over**, neatly, as fast as she can — filling the lines left to right, top to bottom. At the beep, count the **digits written correctly**. That number is her write rate; the written-sprint target is about **two-thirds** of it.



“Copy this over and over for one minute: 1 2 3 4 5 6 7 8 9 0”

1234567890

MY WRITE RATE

Date

Digits written correctly in 1 min

So my written sprint target is about

(= two-thirds of that)

Engine Warm-Up

Easy ones first. No timer yet — just get the pencil moving.

All within ten — a confidence lap before the timed sprints. Do it once each session. **No score**; if any of these are slow, that's where to review before racing.

1	$10 - 4 =$		2	$2 + 6 =$		3	$9 - 4 =$		4	$8 + 2 =$		5	$8 - 4 =$	
6	$3 + 4 =$		7	$9 - 3 =$		8	$2 + 7 =$		9	$9 - 2 =$		10	$6 + 3 =$	
11	$10 - 8 =$		12	$3 + 6 =$		13	$10 - 2 =$		14	$2 + 4 =$		15	$8 - 5 =$	
16	$6 + 4 =$		17	$8 - 2 =$		18	$6 + 2 =$		19	$10 - 3 =$		20	$2 + 8 =$	

Feeling quick? Turn the page and start Sprint A.

Timed Fact Sheet A

One minute. How far can you get?



Set a timer for 1 minute. Go as fast as you can and stay correct. When the timer beeps, **draw a line under the last one you finished** and stop.

MY SCORE

Date _____

correct _____

My best yet _____

1 $15 - 6 =$	2 $3 + 7 =$	3 $17 - 9 =$	4 $5 + 9 =$	5 $15 - 7 =$
6 $6 + 8 =$	7 $7 - 4 =$	8 $6 + 9 =$	9 $11 - 4 =$	10 $8 + 8 =$
11 $12 - 7 =$	12 $5 + 6 =$	13 $12 - 5 =$	14 $4 + 7 =$	15 $12 - 8 =$
16 $6 + 5 =$	17 $14 - 5 =$	18 $5 + 8 =$	19 $11 - 5 =$	20 $4 + 9 =$
21 $9 - 3 =$	22 $8 + 9 =$	23 $12 - 4 =$	24 $8 + 4 =$	25 $11 - 8 =$
26 $9 + 3 =$	27 $18 - 9 =$	28 $7 + 9 =$	29 $11 - 6 =$	30 $3 + 9 =$
31 $13 - 9 =$	32 $7 + 4 =$	33 $12 - 3 =$	34 $5 + 2 =$	35 $8 - 3 =$
36 $9 + 9 =$	37 $11 - 9 =$	38 $9 + 5 =$	39 $13 - 8 =$	40 $6 + 6 =$
41 $12 - 9 =$	42 $3 + 2 =$	43 $14 - 9 =$	44 $8 + 5 =$	45 $10 - 7 =$
46 $9 + 6 =$	47 $14 - 8 =$	48 $8 + 7 =$	49 $17 - 8 =$	50 $5 + 3 =$

Cross out where you stopped — that's today's rate. Beat it next time, Agent.

Timed Fact Sheet B

One minute. How far can you get?



Set a timer for 1 minute. Go as fast as you can and stay correct. When the timer beeps, **draw a line under the last one you finished** and stop.

MY SCORE

Date _____

correct _____

My best yet _____

1 $6 - 4 =$	2 $9 + 7 =$	3 $15 - 8 =$	4 $7 + 8 =$	5 $17 - 9 =$
6 $6 + 9 =$	7 $14 - 8 =$	8 $5 + 5 =$	9 $11 - 2 =$	10 $8 + 8 =$
11 $17 - 8 =$	12 $7 + 2 =$	13 $13 - 4 =$	14 $6 + 8 =$	15 $9 - 2 =$
16 $4 + 2 =$	17 $15 - 7 =$	18 $5 + 7 =$	19 $16 - 9 =$	20 $6 + 7 =$
21 $13 - 5 =$	22 $3 + 8 =$	23 $15 - 9 =$	24 $8 + 9 =$	25 $11 - 5 =$
26 $8 + 6 =$	27 $12 - 3 =$	28 $5 + 6 =$	29 $9 - 3 =$	30 $9 + 8 =$
31 $16 - 7 =$	32 $4 + 5 =$	33 $11 - 3 =$	34 $9 + 6 =$	35 $15 - 6 =$
36 $7 + 4 =$	37 $11 - 4 =$	38 $7 + 9 =$	39 $11 - 7 =$	40 $6 + 5 =$
41 $14 - 9 =$	42 $9 + 3 =$	43 $11 - 8 =$	44 $7 + 5 =$	45 $8 - 6 =$
46 $4 + 7 =$	47 $13 - 9 =$	48 $8 + 5 =$	49 $12 - 7 =$	50 $8 + 7 =$

Cross out where you stopped — that's today's rate. Beat it next time, Agent.

Timed Fact Sheet C

One minute. How far can you get?



Set a timer for 1 minute. Go as fast as you can and stay correct. When the timer beeps, **draw a line under the last one you finished** and stop.

MY SCORE

Date _____

correct _____

My best yet _____

1 $12 - 5 =$	2 $3 + 9 =$	3 $13 - 6 =$	4 $9 + 7 =$	5 $5 - 2 =$
6 $7 + 7 =$	7 $12 - 4 =$	8 $9 + 8 =$	9 $12 - 9 =$	10 $5 + 8 =$
11 $9 - 7 =$	12 $6 + 8 =$	13 $11 - 8 =$	14 $4 + 8 =$	15 $8 - 2 =$
16 $4 + 7 =$	17 $13 - 5 =$	18 $3 + 8 =$	19 $15 - 6 =$	20 $3 + 2 =$
21 $10 - 8 =$	22 $2 + 4 =$	23 $14 - 7 =$	24 $8 + 8 =$	25 $12 - 8 =$
26 $6 + 4 =$	27 $11 - 7 =$	28 $7 + 8 =$	29 $14 - 5 =$	30 $8 + 3 =$
31 $13 - 7 =$	32 $3 + 3 =$	33 $11 - 9 =$	34 $9 + 3 =$	35 $12 - 3 =$
36 $7 + 5 =$	37 $11 - 6 =$	38 $9 + 6 =$	39 $13 - 8 =$	40 $8 + 7 =$
41 $11 - 4 =$	42 $7 + 4 =$	43 $14 - 6 =$	44 $4 + 9 =$	45 $11 - 5 =$
46 $6 + 7 =$	47 $13 - 9 =$	48 $6 + 5 =$	49 $11 - 2 =$	50 $7 + 6 =$

Cross out where you stopped — that's today's rate. Beat it next time, Agent.