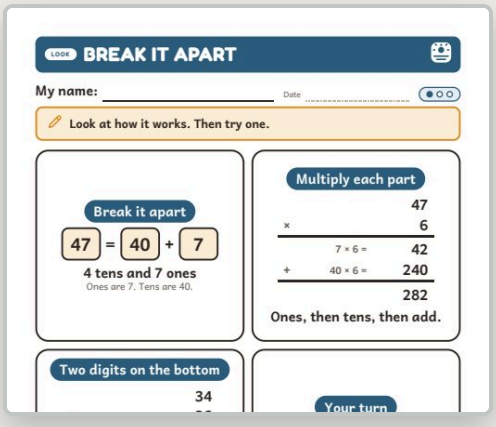
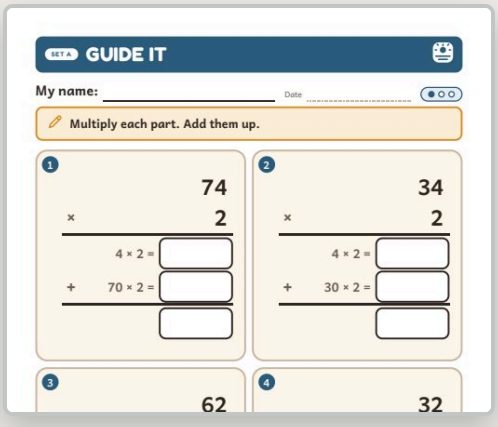
4TH GRADE · MATH

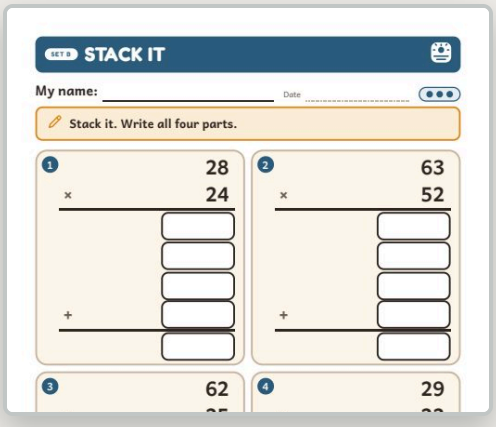
STACK THE PARTS

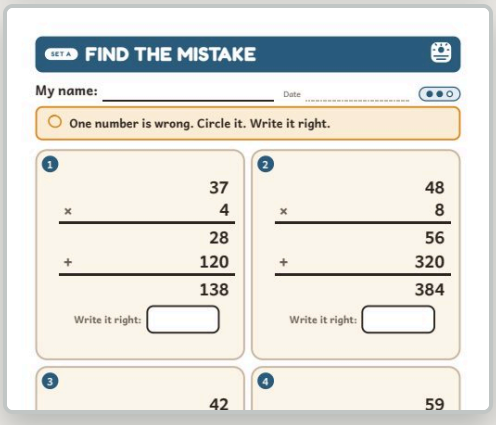
PARTIAL PRODUCTS MULTIPLICATION

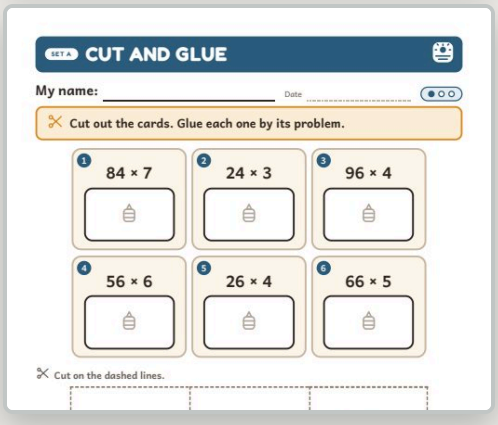
47 × 6 = 42 + 240 = 282. Stacked partial products, 2-digit by 1-digit and 2-digit by 2-digit: guide it, stack it, find the mistake, match, cut and glue, cut and order, with a tracker, a class grid and a family page. Print, or type the names and answers. PDF.

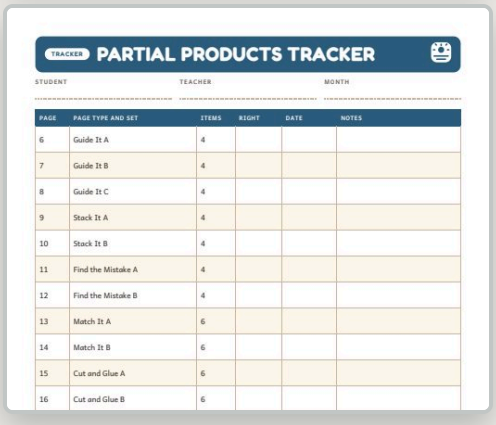












29 Pages | **7 Page Types** | **54 Problems** | **Stacked**

BRIGHT PATH SPED

START HERE

QUICK START

One complete kit for one job: multiply a two-digit number the stacked partial-products way. Break the top number apart, multiply each part, add the rows. Guide it, stack it, find the mistake, match, cut and glue, cut and order — on pages with room to work, untimed.

THREE STEPS

1. **Look at Break It Apart together**
   Page 5 shows 47 × 6 done as stacked partial products: break the top number apart, multiply each part, add the rows. Read it aloud with the child, then the child tries the Your turn stack.

2. **Hand over a page**
   Every student page opens with a name line and one short instruction, and the boxes are big. Nothing on it is written for you, so the child can start. The chart below says which page for which child; the dots at the top right are the only level code.

3. **Check it, record it, send it home**
   The answer keys are pages 19 and 20. Date each page on the tracker (page 21), roll a group up on page 22, and send the home page (24). A filled example is on page 25.

WHICH PAGE, WHEN

WHEN…	USE…
Meeting partial products for the first time	Break It Apart, page 5 · Guide It A, page 6
Knows the steps, needs the sentences	Guide It, pages 6, 7, 8
Ready to write every part	Stack It, pages 9, 10
Drops the zero in a tens row	Find the Mistake, pages 11, 12
Needs to see which parts go with which problem	Match It, pages 13, 14
Better with cutting and gluing	Cut and Glue, pages 15, 16 · Cut and Order, pages 17, 18
Ready for two digits on the bottom	Guide It C, page 8 · the B pages
Practice at home	Home page, page 24 · notes: page 23

Everything inside (29 pages)

- **14 student pages** in 7 page types: Break It Apart, Guide It, Stack It, Find the Mistake, Match It, Cut and Glue and Cut and Order
- **54 different problems** (29 two-digit by one-digit, 25 two-digit by two-digit), totals from 64 to 4465, all computed in code
- **24 cut cards** on 4 pages, **8 mistakes to find**
- **2 answer keys, 1 tracker, 1 class grid**
- **1 team note, 1 home page, 1 filled example, 1 phrase and strategy bank**
- **1 binder cover, 6 divider tabs** and a spine label

What makes it different

Every page uses the same stack: the problem, a line, the partial products one under the other, a line, the total. Nothing here is a grid or a picture, so a child who learns the stack can use it on any page of the file. Nothing is timed and nothing on a student page is scored.

LOOK BREAK IT APART

My name: _____ Date .....

Look at how it works. Then try one.

Break it apart

47 = 40 + 7

4 tens and 7 ones

Ones are 7. Tens are 40.

Multiply each part

		47
×		6
	7 × 6 =	42
+	40 × 6 =	240
		282

Ones, then tens, then add.

Two digits on the bottom

		34
×		26
	4 × 6 =	24
	30 × 6 =	180
	4 × 20 =	80
+	30 × 20 =	600
		884

Four parts. Add them all.

Bottom ones first, then bottom tens.

Your turn

		53
×		4
	3 × 4 =	
+	50 × 4 =	

SET A GUIDE IT

My name: _____ Date .....

Multiply each part. Add them up.

1

		74
×		2
	4 × 2 =	
+	70 × 2 =	

2

		34
×		2
	4 × 2 =	
+	30 × 2 =	

3

		62
×		4
	2 × 4 =	
+	60 × 4 =	

4

		32
×		2
	2 × 2 =	
+	30 × 2 =	

SET A STACK IT

My name: _____ Date .....

Stack it. Write every part.

1

$$\begin{array}{r} 44 \\ \times \quad 6 \\ \hline \square \\ + \quad \square \\ \hline \square \end{array}$$

2

$$\begin{array}{r} 83 \\ \times \quad 7 \\ \hline \square \\ + \quad \square \\ \hline \square \end{array}$$

3

$$\begin{array}{r} 49 \\ \times \quad 7 \\ \hline \square \\ + \quad \square \\ \hline \square \end{array}$$

4

$$\begin{array}{r} 33 \\ \times \quad 9 \\ \hline \square \\ + \quad \square \\ \hline \square \end{array}$$

SET A FIND THE MISTAKE

My name: _____ Date .....

One number is wrong. Circle it. Write it right.

1

$$\begin{array}{r} 37 \\ \times \quad 4 \\ \hline 28 \\ + \quad 120 \\ \hline 138 \end{array}$$

Write it right: ☐

2

$$\begin{array}{r} 48 \\ \times \quad 8 \\ \hline 56 \\ + \quad 320 \\ \hline 384 \end{array}$$

Write it right: ☐

3

$$\begin{array}{r} 42 \\ \times \quad 7 \\ \hline 14 \\ + \quad 28 \\ \hline 294 \end{array}$$

Write it right: ☐

4

$$\begin{array}{r} 59 \\ \times \quad 8 \\ \hline 72 \\ + \quad 400 \\ \hline 462 \end{array}$$

Write it right: ☐

SET A

MATCH IT

My name: _____ Date .....

Find the parts. Write the letter.

1. 56 × 8 → ☐
2. 27 × 3 → ☐
3. 68 × 7 → ☐
4. 72 × 7 → ☐
5. 75 × 9 → ☐
6. 28 × 9 → ☐

The parts

- **A** 14 + 490
- **B** 72 + 180
- **C** 48 + 400
- **D** 45 + 630
- **E** 21 + 60
- **F** 56 + 420

SET A CUT AND GLUE

My name: _____ Date .....

Cut out the cards. Glue each one by its problem.

1 84 × 7	2 24 × 3	3 96 × 4
4 56 × 6	5 26 × 4	6 66 × 5

Cut on the dashed lines.

30 + 300	24 + 360	24 + 80
12 + 60	36 + 300	28 + 560

SET A CUT AND ORDER

My name: _____ Date .....

Cut out the steps. Glue them in order. Ones first.

START WITH THE PROBLEM

1 Step 1	2 Step 2	3 Step 3
4 Step 4	5 Step 5	6 Step 6

Cut on the dashed lines.

48 = 40 + 8	32 + 160	48 × 4
= 192	8 × 4 = 32	40 × 4 = 160

TRACKER

PARTIAL PRODUCTS TRACKER

STUDENT _____ TEACHER _____ MONTH _____

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
6	Guide It A	4			
7	Guide It B	4			
8	Guide It C	4			
9	Stack It A	4			
10	Stack It B	4			
11	Find the Mistake A	4			
12	Find the Mistake B	4			
13	Match It A	6			
14	Match It B	6			
15	Cut and Glue A	6			
16	Cut and Glue B	6			
17	Cut and Order A	6			
18	Cut and Order B	6			

How to fill this in

Write how many items the child got right with no prompt, and the date. A blank means not tried yet, never wrong. There are 64 items on the 13 pages above (a Cut and Order page counts its six steps); Break It Apart (page 5) is not scored. Answer keys: pages 19 and 20. Filled example: page 25.

THIS MONTH WE ARE WORKING ON (YOUR OWN WORDING)

EXAMPLE DANI'S TRACKER

Dani K. is invented; nothing on this page describes a real student. The blank tracker is on page 21.

STUDENT **Dani K. (an invented student)**

TEACHER **Ms. Rivera (invented)**

MONTH **October**

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
6	Guide It A	4	4	10/1	–
7	Guide It B	4	3	10/2	Left the zero off a tens row once
8	Guide It C	4	–	–	–
9	Stack It A	4	3	10/5	Wrote a wrong total once; the rows were right
10	Stack It B	4	–	–	–
11	Find the Mistake A	4	3	10/6	Circled a right number once
12	Find the Mistake B	4	–	–	–
13	Match It A	6	6	10/8	–
14	Match It B	6	–	–	–
15	Cut and Glue A	6	6	10/9	–
16	Cut and Glue B	6	–	–	–
17	Cut and Order A	6	4	10/12	Swapped the ones row and the tens row
18	Cut and Order B	6	–	–	–

How to read it

Dani K. has done **7 of 13** scored pages and got **29 of 34** items right with no prompt. **3** pages were all right. Every number here comes from the table above.

The family note this tracker would produce

"This month Dani finished 7 partial-products pages and got 29 of 34 items right. The parts were right on the stacks; leaving the zero off a tens row once is the thing to keep watching." — every fact in it is a row of the table above.

What the table points to

Every page with a note is short of full: Guide It B, Stack It A, Find the Mistake A, Cut and Order A. The 4 slips are different kinds, so there is no single next page; the note on each row says what to watch for on it. Pages left blank (6 of 13) are not tried yet, never wrong.

THANK YOU **BEFORE YOU GO**

THANK YOU FOR USING THIS RESOURCE

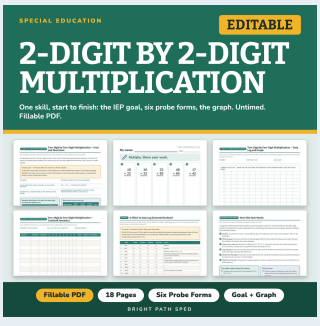
Everything here was built for the teacher who has a table of children who each need a different amount of support with multiplying. If this helped, leaving feedback on TPT helps other teachers find it.

Something missing or wrong?

Please use the **Ask a Question** tab on the product page first — every question is read, and a fix to the file is a free update you re-download from **My Purchases**.

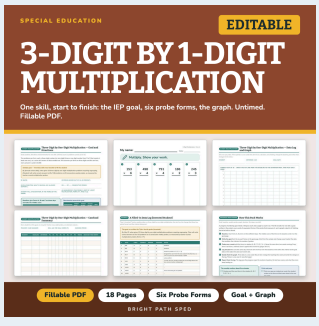
WHAT'S NEXT FROM THIS STORE

The data side of this skill, the facts underneath it, and the property that breaks a number apart.



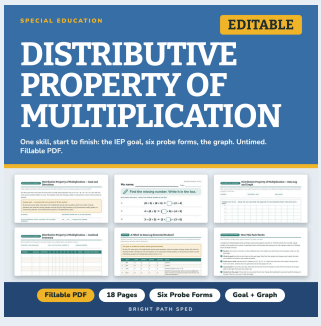
2-Digit by 2-Digit Multiplication Progress Monitoring Probes

The data side of two by two digits: forms for a goal on the IEP.



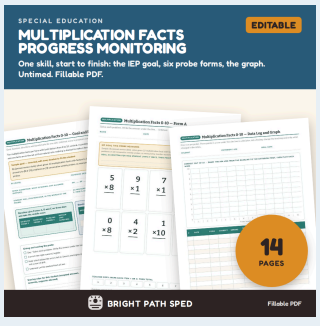
3-Digit by 1-Digit Multiplication Progress Monitoring Probes

One digit on the bottom, three on the top, on a data form.



Distributive Property of Multiplication Progress Monitoring Probes

Breaking a number apart, on a data form.



Multiplication Facts Progress Monitoring Probes

The facts underneath every partial product.

Part of the Math Practice collection — new products in this collection are added regularly. Click **Follow** on the store page and TPT will email you when they go up.

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