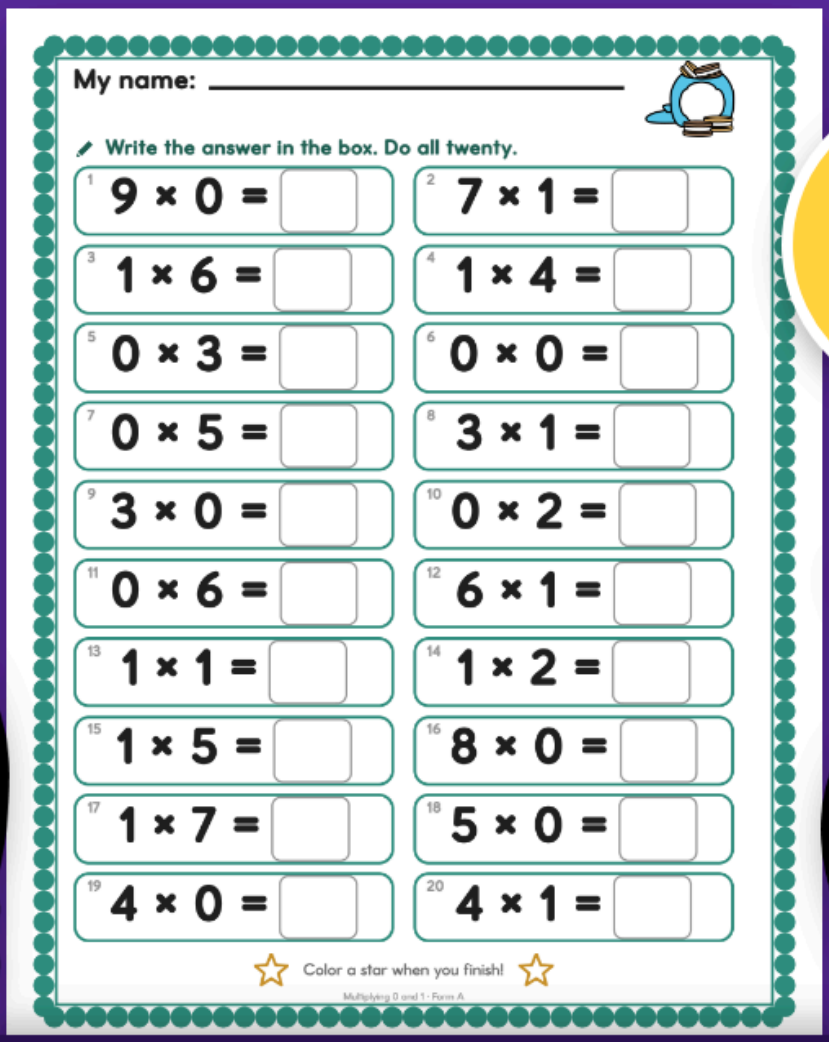
Bright Path Sped


My name: _____

Write the answer in the box. Do all twenty.

1 9 × 0 =	2 7 × 1 =
3 1 × 6 =	4 1 × 4 =
5 0 × 3 =	6 0 × 0 =
7 0 × 5 =	8 3 × 1 =
9 3 × 0 =	10 0 × 2 =
11 0 × 6 =	12 6 × 1 =
13 1 × 1 =	14 1 × 2 =
15 1 × 5 =	16 8 × 0 =
17 1 × 7 =	18 5 × 0 =
19 4 × 0 =	20 4 × 1 =

Color a star when you finish!

Multiplying 0 and 1 - Form A

29 PAGES

MULTIPLYING ZERO + ONE

WORKSHEETS

Terms of Use

Please read before you print and fill in your first form.

One classroom license

- This file is for one classroom: one teacher, one caseload.
- Please do not share it, post it online, or sell it.
- Extra licenses for a team or a school are available on the product page.

This is a fillable PDF

- Open it in a PDF reader (Adobe Acrobat Reader, Preview, or your browser), click into a line or box, type, and Save As once per student.
- Print one copy per student per week: the student writes on the form and that same sheet is the one you score.
- It works offline. No account, no subscription, no internet connection needed after you download it.

Student data

Completed pages carry a real student's name and scores. Store, hand over and destroy this file the same way you would any other student record.

Need help?

If a field will not behave, a page will not print the way you expect, or anything here looks wrong, use Ask a Question on the product page before leaving a review. Every question is read, and a fix to the file ships as a free update — re-download it any time from My Purchases.

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PREVIEW

Binder Cover, Spine Label & Divider Tabs

A binder cover, six divider tabs, and a short setup list.

Binder cover & spine label

Student _____ Case manager _____ School year _____

Goal start date _____ Next review date _____

Cut along the outer edge and use as a binder cover, a folder label, or a clipboard cover for this student's probe folder.

Divider tabs — print and cut

01 Start Here
The seven-step routine, one page.

02 The Goal
The goal line, the baseline and the benchmarks.

03 Probe Forms A–J
The ten rotating forms, one per week.

04 Rule Pages & Worksheets
The zero rule, the one rule, three practice sheets.

05 Answer Keys & Notes
Every answer, and where the errors fall.

06 Graph & Caseload
The aim line, the weekly plot, the caseload grid.

Before the first probe

- Write the goal line from the IEP, in your own words, and fill in every blank.
- Give the baseline: three forms, three different days, before the first plotted point.
- Share the rotation (A, B, C, D, E, F, G, H, I, J) with anyone else who might give a form.

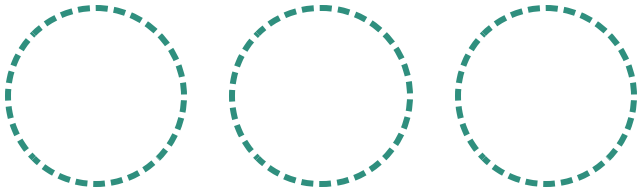
PREVIEW

My name: _____



Zero times any number is zero. Look at the plates.

$$3 \times 0 = 0$$



3 plates with nothing on them: 0 + 0 + 0 = 0

$$0 \times 3 = 0$$

no plates at all

0 plates with 3 on each plate: nothing there

1 **Look for the 0.**
A zero in a fact is the clue. It can be first or second.

2 **Nothing is there.**
0 groups, or 0 on every plate: there is nothing to count.

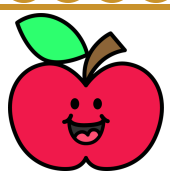
3 **Write 0.**
The answer is always 0, even for 9 × 0.

Try it: $8 \times 0 =$ ☐

Try it: $0 \times 6 =$ ☐

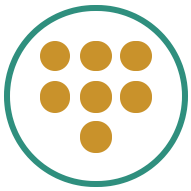
PREVIEW

My name: _____



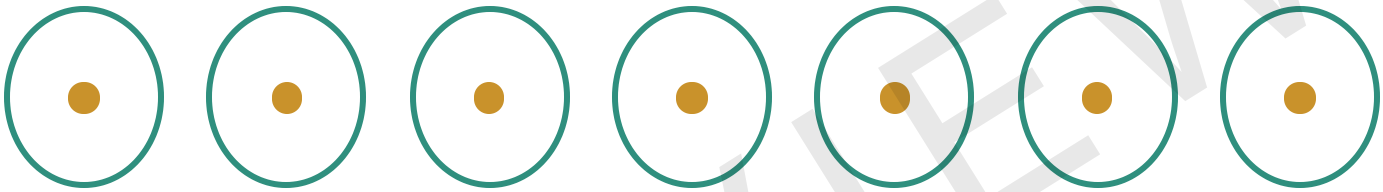
One times a number is that same number. Look at the plate.

$$1 \times 7 = 7$$



1 plate with 7 on it: 7

$$7 \times 1 = 7$$



7 plates with 1 on each plate: 7

1 **Look for the 1.**
A one in a fact is the clue. It can be first or second.

2 **The other number stays.**
1 group of 7 is 7. 7 groups of 1 is 7.

3 **Write the other number.**
9 × 1 = 9. The 1 does not change it.

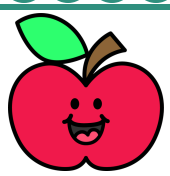
Try it: $9 \times 1 =$ ☐

Try it: $1 \times 4 =$ ☐

PREVIEW

Preview - Bright Path Sped

My name: _____



Is it true? Circle T for true or F for false.

1

$0 \times 4 = 4$ T F

2

$1 \times 7 = 7$ T F

3

$5 \times 0 = 0$ T F

4

$9 \times 1 = 1$ T F

5

$1 \times 1 = 1$ T F

6

$8 \times 0 = 8$ T F

7

$0 \times 0 = 0$ T F

8

$6 \times 1 = 6$ T F

PREVIEW

Preview - Bright Path Shed

My name: _____



Write the answer in the box. Do all twenty.

1 $9 \times 0 =$	2 $7 \times 1 =$
3 $1 \times 6 =$	4 $1 \times 4 =$
5 $0 \times 3 =$	6 $0 \times 0 =$
7 $0 \times 5 =$	8 $3 \times 1 =$
9 $3 \times 0 =$	10 $0 \times 2 =$
11 $0 \times 6 =$	12 $6 \times 1 =$
13 $1 \times 1 =$	14 $1 \times 2 =$
15 $1 \times 5 =$	16 $8 \times 0 =$
17 $1 \times 7 =$	18 $5 \times 0 =$
19 $4 \times 0 =$	20 $4 \times 1 =$

Color a star when you finish!

PREVIEW

Preview - Bright Path Sped

My name: _____



Write the answer in the box. Do all twenty.

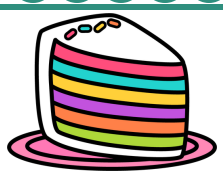
1 $1 \times 6 =$	2 $9 \times 1 =$
3 $1 \times 7 =$	4 $1 \times 0 =$
5 $1 \times 3 =$	6 $0 \times 8 =$
7 $0 \times 3 =$	8 $5 \times 0 =$
9 $0 \times 2 =$	10 $4 \times 1 =$
11 $3 \times 1 =$	12 $1 \times 9 =$
13 $0 \times 9 =$	14 $9 \times 0 =$
15 $0 \times 6 =$	16 $8 \times 1 =$
17 $2 \times 0 =$	18 $0 \times 4 =$
19 $6 \times 1 =$	20 $1 \times 1 =$

Color a star when you finish!

PREVIEW

Preview - Bright Path Sped

My name: _____



Write the answer in the box. Do all twenty.

1 $4 \times 1 =$	2 $1 \times 0 =$
3 $0 \times 6 =$	4 $0 \times 0 =$
5 $0 \times 9 =$	6 $0 \times 8 =$
7 $1 \times 4 =$	8 $8 \times 1 =$
9 $0 \times 3 =$	10 $1 \times 5 =$
11 $6 \times 0 =$	12 $1 \times 2 =$
13 $1 \times 6 =$	14 $1 \times 8 =$
15 $2 \times 0 =$	16 $0 \times 5 =$
17 $7 \times 0 =$	18 $9 \times 1 =$
19 $5 \times 1 =$	20 $5 \times 0 =$

Color a star when you finish!

PREVIEW

Preview - Bright Path Shed

My name: _____



Write the answer in the box. Do all twenty.

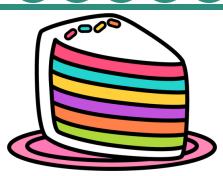
1 $1 \times 4 =$	2 $0 \times 5 =$
3 $6 \times 0 =$	4 $0 \times 6 =$
5 $7 \times 0 =$	6 $6 \times 1 =$
7 $1 \times 8 =$	8 $0 \times 7 =$
9 $4 \times 1 =$	10 $0 \times 9 =$
11 $0 \times 3 =$	12 $1 \times 2 =$
13 $0 \times 0 =$	14 $2 \times 1 =$
15 $8 \times 1 =$	16 $4 \times 0 =$
17 $5 \times 1 =$	18 $0 \times 1 =$
19 $1 \times 9 =$	20 $0 \times 4 =$

Color a star when you finish!

PREVIEW

Preview - Bright Path Sped

My name: _____



Write the answer in the box. Do all twenty.

1 $8 \times 1 =$	2 $7 \times 0 =$
3 $0 \times 6 =$	4 $1 \times 1 =$
5 $0 \times 2 =$	6 $1 \times 3 =$
7 $6 \times 1 =$	8 $1 \times 5 =$
9 $1 \times 6 =$	10 $9 \times 1 =$
11 $2 \times 1 =$	12 $8 \times 0 =$
13 $6 \times 0 =$	14 $2 \times 0 =$
15 $5 \times 0 =$	16 $1 \times 0 =$
17 $1 \times 4 =$	18 $9 \times 0 =$
19 $3 \times 0 =$	20 $1 \times 2 =$

PREVIEW

Color a star when you finish!

Answer Key and Scoring - Forms E-H

Each entry reads: the fact, then the product.

Form E

Correct ___ / 20

1. 4 × 1 = **4**	6. 0 × 8 = **0**	11. 6 × 0 = **0**	16. 0 × 5 = **0**
2. 1 × 0 = **0**	7. 1 × 4 = **4**	12. 1 × 2 = **2**	17. 7 × 0 = **0**
3. 0 × 6 = **0**	8. 8 × 1 = **8**	13. 1 × 6 = **6**	18. 9 × 1 = **9**
4. 0 × 0 = **0**	9. 0 × 3 = **0**	14. 1 × 8 = **8**	19. 5 × 1 = **5**
5. 0 × 9 = **0**	10. 1 × 5 = **5**	15. 2 × 0 = **0**	20. 5 × 0 = **0**

Form F

Correct ___ / 20

1. 0 × 1 = **0**	6. 1 × 8 = **8**	11. 0 × 2 = **0**	16. 1 × 4 = **4**
2. 3 × 0 = **0**	7. 5 × 0 = **0**	12. 3 × 1 = **3**	17. 6 × 1 = **6**
3. 4 × 1 = **4**	8. 8 × 0 = **0**	13. 0 × 8 = **0**	18. 4 × 0 = **0**
4. 2 × 1 = **2**	9. 1 × 1 = **1**	14. 1 × 5 = **5**	19. 0 × 5 = **0**
5. 0 × 7 = **0**	10. 0 × 9 = **0**	15. 1 × 6 = **6**	20. 1 × 2 = **2**

Form G

Correct ___ / 20

1. 8 × 0 = **0**	6. 9 × 1 = **9**	11. 7 × 1 = **7**	16. 0 × 6 = **0**
2. 0 × 4 = **0**	7. 8 × 1 = **8**	12. 2 × 0 = **0**	17. 9 × 0 = **0**
3. 6 × 0 = **0**	8. 1 × 1 = **1**	13. 2 × 1 = **2**	18. 1 × 9 = **9**
4. 3 × 1 = **3**	9. 0 × 7 = **0**	14. 6 × 1 = **6**	19. 1 × 0 = **0**
5. 1 × 3 = **3**	10. 0 × 2 = **0**	15. 1 × 7 = **7**	20. 0 × 3 = **0**

Form H

Correct ___ / 20

1. 1 × 4 = **4**	6. 6 × 1 = **6**	11. 0 × 3 = **0**	16. 4 × 0 = **0**
2. 0 × 5 = **0**	7. 1 × 8 = **8**	12. 1 × 2 = **2**	17. 5 × 1 = **5**
3. 6 × 0 = **0**	8. 0 × 7 = **0**	13. 0 × 0 = **0**	18. 0 × 1 = **0**
4. 0 × 6 = **0**	9. 4 × 1 = **4**	14. 2 × 1 = **2**	19. 1 × 9 = **9**
5. 7 × 0 = **0**	10. 0 × 9 = **0**	15. 8 × 1 = **8**	20. 0 × 4 = **0**

Scoring reminder

- Self-corrections count as correct. A blank is an error. Log the score the same day.
- Keep the time allowed the same every week; the goal page has a line for it.

PREVIEW

Teacher Notes - Reading the Errors

Where the work breaks tells you what to teach next.

What this probe measures

- Whether a student can write the product when one factor is 0 or 1, in either order, with the other factor from 0 to 9.
- It is a quick weekly check against a goal you write. It is not a norm-referenced test and carries no benchmark score.

The other number is written for a zero fact

- 7 × 0 answered 7. The 0 was ignored.
- Teach the empty plates on the zero rule page: nothing is there to count.

0 is written for a one fact

- 7 × 1 answered 0, or 8. The two rules are crossed, or the numbers were added.
- Teach one plate with the number on it. Ask which fact has the plate.

A fact with only 0s and 1s slips

- 0 × 1 or 1 × 0 answered 1: the 1 was followed. 0 × 0 and 1 × 1 can slip too.
- Say it aloud: "Is there a zero? Then the answer is 0." Check for the 0 first.

Words to use when you teach it

- **Factor**: one of the two numbers you multiply.
- **Product**: the answer to a multiplication fact.
- **Zero rule**: a zero factor means the product is 0.
- **One rule**: a one factor means the product is the other factor.

Prompts to say, not to write on the child's sheet

- "Look for a 0 or a 1. Which is it?"
- "Zero: nothing is there. One: the other number stays."
- "Read it back: groups of what?"

Practice sheets: what the shapes mean

- A **circle** sheet is zero facts only.
- A **square** sheet is true or false with zero and one facts.
- A **triangle** sheet asks for the missing number.
- Practice sheets are never scored on the log; only the probe forms are.

PREVIEW

Multiplying 0 and 1 - Caseload Summary

Every student on this goal, on one grid. Twelve rows, eight probes, one decision column.

Teacher / case manager _____ Skill _____ Marking period _____

Student	Base	Crit	P1	P2	P3	P4	P5	P6	P7	P8	Trend	Decision

How to fill it

- One row per student on this skill. Baseline is the median of the first three probes.
- One column per weekly probe; write the score out of 20, not a percent.
- Trend: up, flat or down over the last four probes.
- Decision: keep going, change the teaching, or raise the target.
- Leave a cell blank rather than guess; a gap is more honest than a filled-in score.

What it is for

Grouping. Rows that are flat together are a group; a row that is flat alone is a different question. Take this page to the data meeting instead of ten folders.

PREVIEW

A Filled-In Data Log (Invented Student)

Jordan is an invented student. Baseline on Forms A, B and C, then ten weekly probes, the aim line, the change that three points under it forced, and the criterion being met.

The numbers this log is measured against, for Jordan (invented)

The goal line is left blank here, as on the goal page: your team writes it from the IEP. The numbers used below are the baseline, an aim line from 12 to 18 at week 10, and a criterion of 18 of 20 on 3 consecutive probes.

Week	Form	Correct	Errors	Aim	Notes
1	D	12	8	12.0	Zero facts answered with the other number (7 x 0 = 7).
2	E	11	9	12.7	Same error on zero facts: the other number written.
3	F	12	8	13.3	Same error. One facts were right.
4	G	13	7	14.0	3 under the aim line in a row: teaching changed. Zero rule taught with empty plates.
5	H	15	5	14.7	Zero facts mostly right. Two one facts answered 0.
6	I	14	6	15.3	One facts answered with 0 or with the next number up.
7	J	16	4	16.0	Both rules mostly held; 0 x 1 and 1 x 0 slipped.
8	A	18	2	16.7	Every zero fact and every one fact right. First 18.
9	B	18	2	17.3	Held at 18.
10	C	18	2	18.0	Criterion met: three in a row at 18 or better. Set the next goal.

How to read the log

- Baseline is the median of the first three probes: A 11, B 13, C 12. The median is 12. Not the average, not the best.
- The aim line runs from 12 at week 1 to 18 at week 10. Weeks 2, 3 and 4 sat under it: three in a row, so the teaching changed in week 4.
- The notes say where the errors fell: zero facts answered with the other number. A score alone would not have said that.
- Weeks 8, 9 and 10 (18, 18 and 18) were at 18 or better: the criterion, met on three in a row.

The progress report sentence this log produces

On weekly multiplying 0 and 1 probes (20 items), Jordan scored 12 of 20 at baseline and 18, 18 and 18 of 20 on the last three probes, meeting the criterion of 18 of 20 on 3 consecutive probes. Every number in it is on the log above; nothing is from memory.

Where every number in this example came from

- The baseline is the median of Forms A, B and C on three days, not an average and not the best score.
- Every score on the log traces to its row; errors are 20 minus the correct count, and the aim is a straight line from 12 to 18.
- Copy this layout for your own student, with your own real scores.

PREVIEW