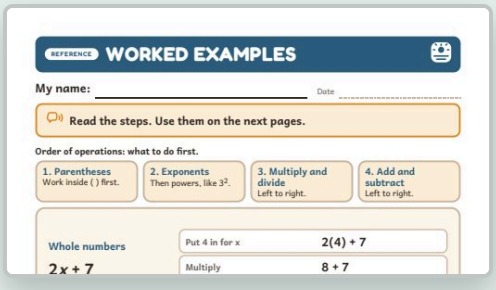
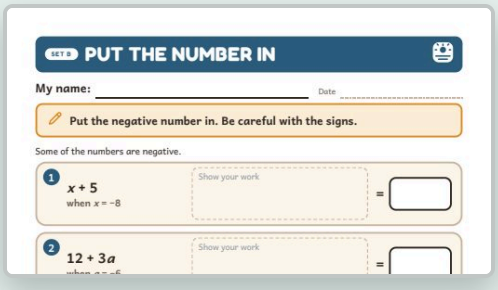
6TH–8TH · MATH

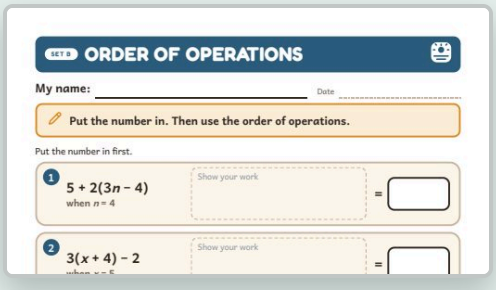
ALGEBRA

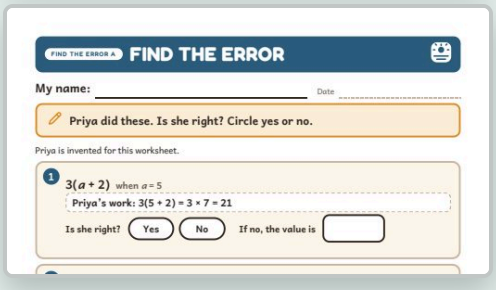
EVALUATING ALGEBRAIC EXPRESSIONS

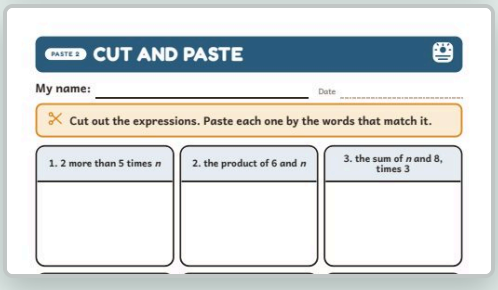
Worked examples, put the number in, exponents, order of operations, words to expressions, word problems, find the error and cut-and-paste matches. Keys, a tracker and a family page. Print, or type the answers. PDF.

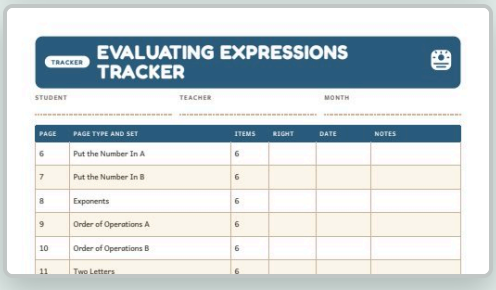












30 Pages | **9 Page Types** | **71 Items** | **24 Pieces**

BRIGHT PATH SPED

START HERE

QUICK START

1 Start with the worked examples

Page 5 shows the order of operations and three examples, one step per line: whole numbers, negative numbers and an exponent. Read them together and keep the page on the desk.

2 Hand over a page

Every student page opens with a name line and one short instruction. 40 items have a work space beside a big answer box. Nothing on a student page is written for an adult.

3 Check, then record

Answer keys are on pages 19 to 21. Record scores on the tracker (page 22). The key shows the numbers put in, then the value, so you can see where a slip happened.

WHICH PAGE FOR WHICH JOB

WHEN YOU WANT TO...	USE	PAGES
Learn the steps	Worked Examples	5
Put a number in for a letter	Put the Number In A and B, Exponents	6, 7, 8
Practice the order of operations	Order of Operations A and B, Two Letters	9, 10, 11
Connect words and math	Words to Expressions, Word Problems	12, 13
Check for understanding	Find the Error	14, 15
A hands-on match	Cut and Paste, three pages	16, 17, 18
Record and report	Tracker, class grid, team note, family page	22, 23, 24, 25

Everything inside (30 pages)

- **14 student pages** in 9 page types, 71 scored items
- **65 expressions** with values to put in, from whole numbers to negatives and exponents
- **24 cut-and-paste pieces** on 3 pages
- **3 answer keys**, a tracker, a class grid, a team note, a family page
- A filled example, a phrase bank, a binder cover and divider tabs

Your standards, your words

Every expression and value is made up for this file, and every answer was worked out by a second method before it was printed. Write the standard or the district's wording you want students to see on the line on the tracker (page 22).

REFERENCE

WORKED EXAMPLES

My name: _____ Date .....

Read the steps. Use them on the next pages.

Order of operations: what to do first.

1. Parentheses	2. Exponents	3. Multiply and divide	4. Add and subtract
Work inside ( ) first.	Then powers, like 3^2.	Left to right.	Left to right.

Whole numbers

$2x + 7$

when $x = 4$

Put 4 in for x	$2(4) + 7$
Multiply	$8 + 7$
Add	15

Negative numbers

$7 - 2n$

when $n = -4$

Put −4 in for n	$7 - 2(-4)$
Multiply	$7 - (-8)$
Subtract a negative: add	$7 + 8$
Add	15

Exponents

$3x^2 - 4$

when $x = -2$

Put −2 in for x	$3(-2)^2 - 4$
Exponent first	$3(4) - 4$
Multiply	$12 - 4$
Subtract	8

SET B PUT THE NUMBER IN

My name: _____ Date .....

Put the negative number in. Be careful with the signs.

Some of the numbers are negative.

1 $x + 5$
when $x = -8$

Show your work

= ☐

2 $12 + 3a$
when $a = -6$

Show your work

= ☐

3 $4b - 3$
when $b = -5$

Show your work

= ☐

4 $3x - 4$
when $x = -2$

Show your work

= ☐

5 $7 - x$
when $x = -3$

Show your work

= ☐

6 $5 - 2n$
when $n = -4$

Show your work

= ☐

SET B ORDER OF OPERATIONS

My name: _____ Date .....

Put the number in. Then use the order of operations.

Put the number in first.

1 $5 + 2(3n - 4)$ when $n = 4$

Show your work

= ☐

2 $3(x + 4) - 2$ when $x = 5$

Show your work

= ☐

3 $10 - 2(m + 1)$ when $m = 3$

Show your work

= ☐

4 $4(x - 1)^2$ when $x = -1$

Show your work

= ☐

5 $(n - 2)^2 + 3n$ when $n = 6$

Show your work

= ☐

6 $2x^2 - 5x + 1$ when $x = 3$

Show your work

= ☐

WORDS

WORDS TO EXPRESSIONS

My name: _____ Date .....

Write an expression for the words. Then find the value.

1 ***n*** **squared, minus 5**

Expression ☐ Value when $n = 5$ ☐

2 **5 more than** ***n***

Expression ☐ Value when $n = 6$ ☐

3 ***n*** **divided by 2, plus 9**

Expression ☐ Value when $n = 10$ ☐

4 **twice the sum of** ***n*** **and 4**

Expression ☐ Value when $n = 2$ ☐

5 **7 less than 3 times** ***n***

Expression ☐ Value when $n = 5$ ☐

6 **4 times** ***n***

Expression ☐ Value when $n = 7$ ☐

FIND THE ERROR A

FIND THE ERROR

My name: _____ Date .....

Priya did these. Is she right? Circle yes or no.

Priya is invented for this worksheet.

1 $3(a + 2)$ when $a = 5$

Priya's work: $3(5 + 2) = 3 \times 7 = 21$

Is she right? Yes No If no, the value is ☐

2 $5 + 2x$ when $x = 6$

Priya's work: $5 + 2 \times 6 = 7 \times 6 = 42$

Is she right? Yes No If no, the value is ☐

3 $5n + 2$ when $n = 4$

Priya's work: $5n = 54$, so $54 + 2 = 56$

Is she right? Yes No If no, the value is ☐

Pick one that Priya got wrong. What did she do? What should she do?

PASTE 1 CUT AND PASTE

My name: _____ Date .....

Find each value. Cut out the answers. Paste each one in its box.

1. $(m + 3) \div 2$ when $m = 9$	2. $2n + 9$ when $n = -5$	3. $3a - 8$ when $a = 6$
4. $5x + 1$ when $x = 4$	**5.** $x^2 - 4$ when $x = -3$	**6.** $30 - 4b$ when $b = 7$

Cut on the dashed lines.

5	6	21	28
−13	2	−1	10

TRACKER

EVALUATING EXPRESSIONS TRACKER

STUDENT _____ TEACHER _____ MONTH _____

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
6	Put the Number In A	6			
7	Put the Number In B	6			
8	Exponents	6			
9	Order of Operations A	6			
10	Order of Operations B	6			
11	Two Letters	6			
12	Words to Expressions	6			
13	Use It: Word Problems	4			
14	Find the Error A	3			
15	Find the Error B	2			
16	Cut and Paste 1	6			
17	Cut and Paste 2	6			
18	Cut and Paste 3	8			

How to fill this in

Write how many items the student got right with no prompt, and the date. A blank means not tried yet, never wrong. There are 71 items on the 13 scored pages. The worked examples (page 5) are not scored. Answer keys: pages 19 to 21. Filled example: page 26.

THIS MONTH WE ARE WORKING ON (YOUR OWN STANDARD OR WORDING)

THANK YOU **BEFORE YOU GO**

THANK YOU FOR USING THIS RESOURCE

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

Everything inside, one more time

- **14 student pages** in 9 page types, 71 scored items, every answer computed in code and checked a second way.
- **24 cut-and-paste pieces** on 3 pages, **3 answer keys**.
- **1 tracker, 1 class grid, 1 team note, 1 family page, 1 filled example, 1 phrase bank** (16 starters), **1 binder cover** and divider tabs.

How this file avoids guessing

Wherever a student picks among printed spots — the order of the items, the pieces on the cut strip, the yes and no on Find the Error — the position of the right answer is checked in code so it never sits in the same spot three times in a row.

No real student anywhere in this file

The filled example on page 26 names "Maya R.," an invented student used only to show how the tracker fills in. "Priya" on pages 14, 15 is invented too. Every expression and piece of work is made up, and nothing here is legal advice. Once you fill in a real student's name, the tracker, class grid and team note (pages 22, 23 and 24) do carry real information — keep completed pages secure the same way you would any other record.

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

For the same students: slope worksheets, plus probe forms for evaluating expressions and exponents.



Rise Over Run Worksheets
Slope, graphing and error analysis for grades 6-8.



Evaluating Expressions Probes
The data side of this skill: probe forms and a graph.



Exponents and Powers of Ten Probes
Probe forms for exponents, with a graph and a caseload page.

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