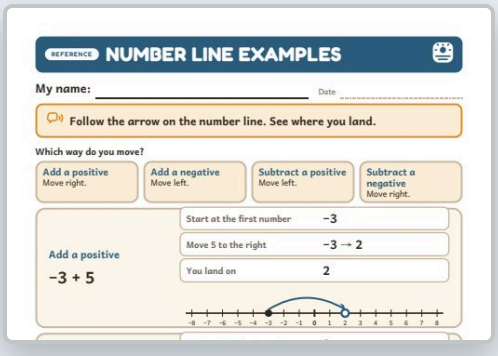
6TH–8TH · MATH

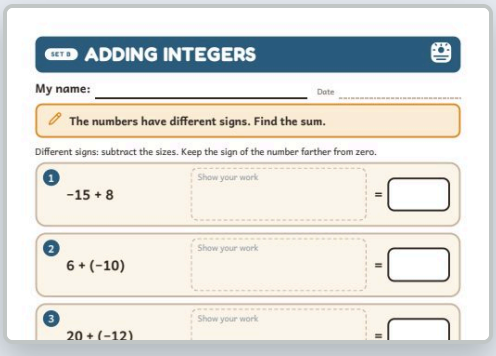
INTEGERS

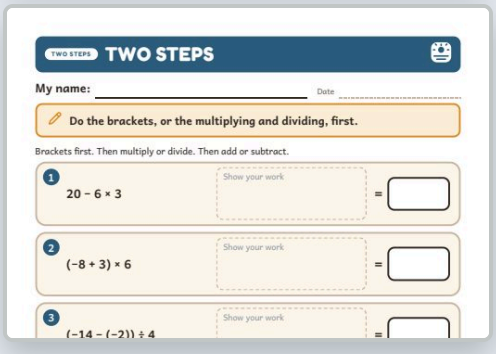
INTEGER RULES

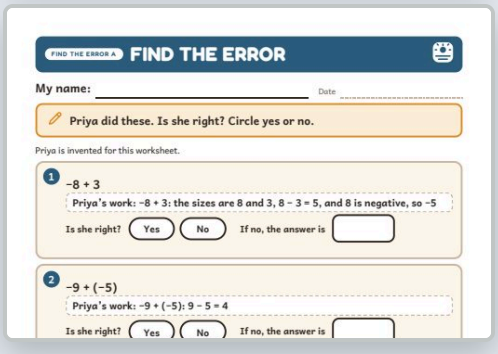
The four sign rules with number-line examples, then add, subtract, multiply and divide, predict the sign, two-step items, word problems, find the error and cut-and-paste matches. Keys, a tracker and a family page. Print, or type the answers. PDF.

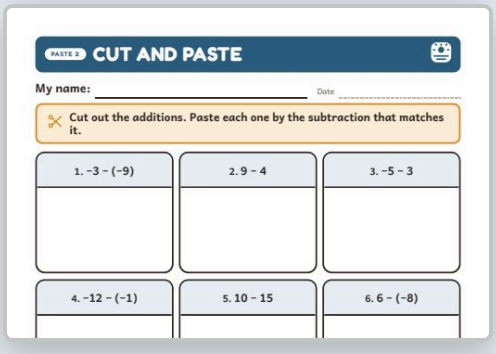












33 Pages | **12 Page Types** | **83 Items** | **24 Pieces**

BRIGHT PATH SPED

START HERE

QUICK START

1 Start with the rules and the number line

Page 5 has the four rules, each with a worked example. Page 6 shows three examples on a number line: add a positive, add a negative and subtract a negative. Read them together and keep them on the desk.

2 Hand over a page

Every student page opens with a name line and one short instruction. 52 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 22 to 24. Record scores on the tracker (page 25). The key gives each answer and the rule behind it, so you can see where a slip happened.

WHICH PAGE FOR WHICH JOB

WHEN YOU WANT TO...	USE	PAGES
Learn the rules	Integer Rules, Number Line Examples	5, 6
Add and subtract	Adding A and B, Subtracting A and B	7, 8, 9, 10
Multiply and divide	Multiplying, Dividing	11, 12
Pick the right rule	Sign First, Mixed Practice, Two Steps, Word Problems	13, 14, 15, 16
Check for understanding	Find the Error	17, 18
A hands-on match	Cut and Paste, three pages	19, 20, 21
Record and report	Tracker, class grid, team note, family page	25, 26, 27, 28

Everything inside (33 pages)

- **17 student pages** in 12 page types, 83 scored items
- **83 integer expressions** to work out, from one step to two steps
- **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 answer 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 25).

REFERENCE

INTEGER RULES

My name: _____ Date .....

Read the rules. Keep this page beside you.

Adding

Same signs: add the sizes. Keep the sign.

$-6 + (-3) = -9$

Different signs: subtract the sizes. Keep the sign of the number farther from zero.

$-6 + 9 = 3$

Subtracting

Add the opposite. Change the subtract to an add. Change the sign of the number after it.

$6 - 9 = 6 + (-9) = -3$

$6 - (-9) = 6 + 9 = 15$

Then use the adding rules.

Multiplying

Same signs: the answer is positive.

$(-4) \times (-3) = 12$

Different signs: the answer is negative.

$(-4) \times 3 = -12$

Dividing

Same signs: the answer is positive.

$(-20) \div (-4) = 5$

Different signs: the answer is negative.

$20 \div (-4) = -5$

THE TWO SIGNS	MULTIPLY OR DIVIDE: THE ANSWER IS
+ and +, or − and −	positive
+ and −, or − and +	negative

REFERENCE

NUMBER LINE EXAMPLES

My name: _____ Date .....

Follow the arrow on the number line. See where you land.

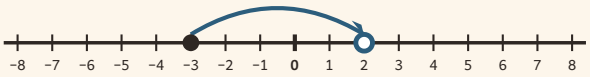
Which way do you move?

Add a positive	Add a negative	Subtract a positive	Subtract a negative
Move right.	Move left.	Move left.	Move right.

Add a positive

$-3 + 5$

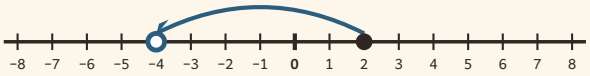
Start at the first number	-3
Move 5 to the right	$-3 \rightarrow 2$
You land on	2



Add a negative

$2 + (-6)$

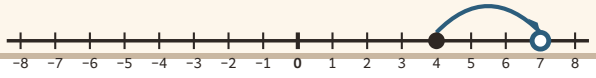
Start at the first number	2
Move 6 to the left	$2 \rightarrow -4$
You land on	-4



Subtract a negative

$4 - (-3)$

Start at the first number	4
Add the opposite	$4 + 3$
Move 3 to the right	$4 \rightarrow 7$
You land on	7



SET B

ADDING INTEGERS

My name: _____ Date .....

The numbers have different signs. Find the sum.

Different signs: subtract the sizes. Keep the sign of the number farther from zero.

1 $-15 + 8$

Show your work

= ☐

2 $6 + (-10)$

Show your work

= ☐

3 $20 + (-12)$

Show your work

= ☐

4 $-3 + 14$

Show your work

= ☐

5 $12 + (-7)$

Show your work

= ☐

6 $-9 + 4$

Show your work

= ☐

SIGN FIRST

SIGN FIRST

My name: _____ Date .....

Circle positive or negative first. Then find the answer.

1 $6 - (-4)$

The answer is (Positive) (Negative)

= ☐

2 $-13 + 5$

The answer is (Positive) (Negative)

= ☐

3 $(-18) \div (-3)$

The answer is (Positive) (Negative)

= ☐

4 $(-35) \div 7$

The answer is (Positive) (Negative)

= ☐

5 $9 - 15$

The answer is (Positive) (Negative)

= ☐

6 $(-8) \times (-6)$

The answer is (Positive) (Negative)

= ☐

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 $-8 + 3$

Priya's work: −8 + 3: the sizes are 8 and 3, 8 − 3 = 5, and 8 is negative, so −5

Is she right? Yes No If no, the answer is ____

2 $-9 + (-5)$

Priya's work: −9 + (−5): 9 − 5 = 4

Is she right? Yes No If no, the answer is ____

3 $7 - (-3)$

Priya's work: 7 − (−3) = 7 − 3 = 4

Is she right? Yes No If no, the answer 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 answer. Cut out the answers. Paste each one in its box.

1. −2 + (−11)	2. 8 − (−5)	3. 3 − 12
4. (−6) × (−7)	**5. (−48) ÷ 6**	**6. −10 + 4**

Cut on the dashed lines.

15	−8	−9	42
13	−42	−13	−6

TRACKER

INTEGER RULES TRACKER

STUDENT _____ TEACHER _____ MONTH _____

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
7	Adding: Same Signs	6			
8	Adding: Different Signs	6			
9	Subtract a Positive	6			
10	Subtract a Negative	6			
11	Multiplying	6			
12	Dividing	6			
13	Sign First	6			
14	Mixed Practice	6			
15	Two Steps	6			
16	Word Problems	4			
17	Find the Error A	3			
18	Find the Error B	2			
19	Cut and Paste 1	6			
20	Cut and Paste 2	6			
21	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 83 items on the 15 scored pages. The rules and number-line pages (pages 5 and 6) are not scored. Answer keys: pages 22 to 24. Filled example: page 29.

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

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 positive and negative numbers. If this helped, leaving feedback on TPT helps other teachers find it.

Everything inside, one more time

- **17 student pages** in 12 page types, 83 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 29 names "Maya R.," an invented student used only to show how the tracker fills in. "Priya" on pages 17, 18 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 25, 26 and 27) 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 integer operations.



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



Adding and Subtracting Integers Probes
The data side of this skill: probe forms and a graph.



Multiplying and Dividing Integers Probes
Probe forms for integer products and quotients, with a graph.

Part of the Bright Path Sped collection — new products are added regularly. Click **Follow** on the store page and TPT will email you when new products go up.

Type: Andika, Fredoka and Patrick Hand, SIL Open Font License. Every word is set in type. No clip art, photographs or third-party art.
© Bright Path Sped. For single-classroom use by the original purchaser.