

# ADDITION & SUBTRACTION WITHIN 10

A ten-frame, a number line, a cross-it-out picture model and fact family triangles for sums and differences within 10 — both operations, mixed on the same page. A tracker, a class grid and a family update. Print, or type the names and trackers. PDF.

**SET A TEN-FRAME ADD**

My name: \_\_\_\_\_ Date: \_\_\_\_\_

Count the pictures. Write the total.

1   $8 + 2 = \square$

2   $2 + 2 = \square$

3   $4 + 4 = \square$

**SET B NUMBER LINE HOPS**

My name: \_\_\_\_\_ Date: \_\_\_\_\_

Count the hops. Write where you land.

1  $9 - 7 = \square$   


2  $5 - 3 = \square$   


3  $10 - 4 = \square$   


**SET A CROSS IT OUT**

My name: \_\_\_\_\_ Date: \_\_\_\_\_

Count what is left. Write how many.

1   $10 - 5 = \square$

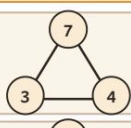
2   $4 - 3 = \square$

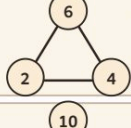
3   $10 - 8 = \square$

**SET C FACT FAMILY TRIANGLES**

My name: \_\_\_\_\_ Date: \_\_\_\_\_

Write the addition and subtraction sentences for this family.

1   $\square + \square = \square$   $\square - \square = \square$

2   $\square + \square = \square$   $\square - \square = \square$

3   $\square + \square = \square$   $\square - \square = \square$

**ANSWER KEY KEY: FRAME, LINE, CROSS**

Ten-Frame Add, Number Line Hops and Cross It Out. Item numbers are the numbers printed on each page.

| ITEM | FACT    | ANSWER    | ITEM | FACT     | ANSWER      | ITEM | FACT     | ANSWER |
|------|---------|-----------|------|----------|-------------|------|----------|--------|
| A-1  | $8 + 2$ | 10 in all | A-1  | $3 + 2$  | lands on 5  | A-1  | $10 - 5$ | 5 left |
| A-2  | $2 + 2$ | 4 in all  | A-2  | $6 + 2$  | lands on 8  | A-2  | $4 - 3$  | 1 left |
| A-3  | $4 + 4$ | 8 in all  | A-3  | $8 + 2$  | lands on 10 | A-3  | $10 - 8$ | 2 left |
| A-4  | $3 + 3$ | 6 in all  | A-4  | $4 + 4$  | lands on 8  | A-4  | $9 - 5$  | 4 left |
| A-5  | $6 + 1$ | 7 in all  | A-5  | $5 + 5$  | lands on 10 | A-5  | $9 - 8$  | 1 left |
| B-1  | $2 + 7$ | 9 in all  | B-1  | $9 - 7$  | lands on 2  | B-1  | $7 - 4$  | 3 left |
| B-2  | $8 + 1$ | 9 in all  | B-2  | $5 - 3$  | lands on 2  | B-2  | $2 - 1$  | 1 left |
| B-3  | $5 + 4$ | 9 in all  | B-3  | $10 - 4$ | lands on 6  | B-3  | $10 - 1$ | 9 left |
| B-4  | $4 + 4$ | 8 in all  | B-4  | $7 - 4$  | lands on 3  | B-4  | $6 - 4$  | 2 left |
| B-5  | $3 + 6$ | 9 in all  | B-5  | $8 - 7$  | lands on 1  | B-5  | $5 - 2$  | 3 left |
| C-1  | $3 + 7$ | 10 in all | C-1  | $8 + 1$  | lands on 9  | C-1  | $9 - 1$  | 8 left |
| C-2  | $8 + 1$ | 9 in all  | C-2  | $3 + 2$  | lands on 5  | C-2  | $3 - 2$  | 1 left |
| C-3  | $1 + 2$ | 3 in all  | C-3  | $8 - 5$  | lands on 3  | C-3  | $9 - 4$  | 5 left |
| C-4  | $4 + 3$ | 7 in all  | C-4  | $10 - 3$ | lands on 7  | C-4  | $7 - 4$  | 3 left |

Watch for:

- Counting the ringed start as a hop. The first hop lands one number after the ringed start; the ring is where the child begins, never a hop.
- Crossing out the wrong end of the row. On Cross It Out the crossed pictures are always the amount taken away; the plain pictures left over are the

How the keys are made

Every answer here is read from the same pair of numbers that draws the page (42 items across three formats). Ten-Frame Add always fits in one frame because no sum in this file passes 10.

**TRACKER ADDITION AND SUBTRACTION TRACKER**

| PAGE | PAGE TYPE AND SET       | STUDENT | TEACHER | MONTH | DATE | NOTES |
|------|-------------------------|---------|---------|-------|------|-------|
| 7    | Ten-Frame Add A         |         |         |       |      |       |
| 8    | Ten-Frame Add B         |         |         |       |      |       |
| 9    | Ten-Frame Add C         |         |         |       |      |       |
| 10   | Number Line Hops A      |         |         |       |      |       |
| 11   | Number Line Hops B      |         |         |       |      |       |
| 12   | Number Line Hops C      |         |         |       |      |       |
| 13   | Cross It Out A          |         |         |       |      |       |
| 14   | Cross It Out B          |         |         |       |      |       |
| 15   | Cross It Out C          |         |         |       |      |       |
| 16   | Fact Family Triangles A |         |         |       |      |       |
| 17   | Fact Family Triangles B |         |         |       |      |       |
| 18   | Fix It A                |         |         |       |      |       |
| 19   | Fix It B                |         |         |       |      |       |
| 20   | Cut and Glue A          |         |         |       |      |       |



One complete kit for addition AND subtraction within 10: a ten-frame, a number line, a cross-out picture model, fact family triangles and a mistake to fix — on pages with room to work, untimed.

## THREE STEPS

- 1 **Look at Ways to Add and Subtract together**  
Page 6 shows one fact four ways: ten-frame, number line, cross it out and a fact family triangle. Read it aloud with the child, then let the child pick a fact from any page and write it as both an addition and a subtraction.
- 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 22 and 23. Date each page on the tracker (page 24), roll a group up on page 25, and send the home page (27). A filled example is on page 28.

## WHICH PAGE, WHEN

| WHEN...                                            | USE...                                                        |
|----------------------------------------------------|---------------------------------------------------------------|
| Meeting addition or subtraction for the first time | Ways to Add and Subtract, page 6 · Ten-Frame Add A, page 7    |
| Needs to see it and count it                       | Ten-Frame Add, pages 7, 8, 9 · Cross It Out, pages 13, 14, 15 |
| Ready to hop the number line                       | Number Line Hops, pages 10, 11, 12                            |
| Ready to connect addition and subtraction          | Fact Family Triangles, pages 16, 17                           |
| Rushes and does not check                          | Fix It, pages 18, 19                                          |
| Better with cutting and gluing                     | Cut and Glue, pages 20, 21                                    |
| Ready to write their own facts                     | Home page, page 27 · notes: page 26, phrase bank 29           |

## Everything inside (32 pages)

- **16 student pages** in 7 page types: Ways to Add and Subtract, Ten-Frame Add, Number Line Hops, Cross It Out, Fact Family Triangles, Fix It and Cut and Glue
- **71 addition and subtraction items**, sums 2 to 10, drawn from a 25-fact pool, all computed in code
- **12 cut-and-glue pieces** in 2 sets, **14 ten-frame rows** of drawn pictures
- **1 fact map, 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

Both operations live in the same book: Number Line Hops, Fact Family Triangles, Fix It and Cut and Glue all mix addition and subtraction on the same page, so a child practices telling them apart, not just computing one of them. The fact map (page 5) shows every fact this file uses.





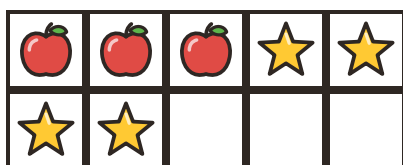
My name: \_\_\_\_\_

Date \_\_\_\_\_



Look at the ways to make it. Then write your own.

## Ten-Frame



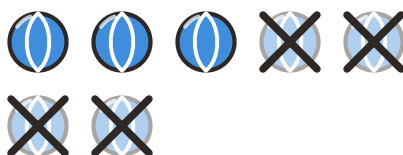
3 and 4 in the frame.  
7 in all.

## Number Line



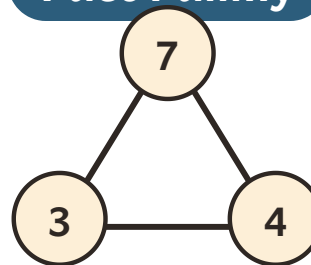
Hop on 4 from 3.  
You land on 7.

## Cross It Out



7 take away 4.  
3 are left.

## Fact Family



3, 4 and 7 make a family.  
Addition and subtraction, both.

Your turn. Pick a fact from any page.

Write an  
addition

$$\square + \square = \square$$

Write a  
subtraction

$$\square - \square = \square$$





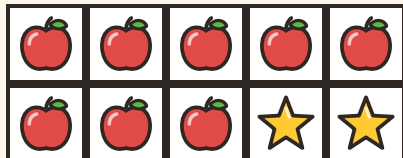
My name: \_\_\_\_\_

Date \_\_\_\_\_



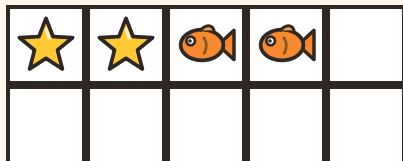
Count the pictures. Write the total.

1



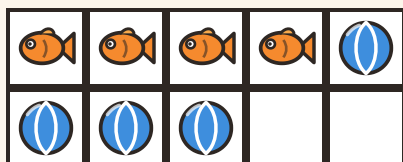
$8 + 2 =$

2



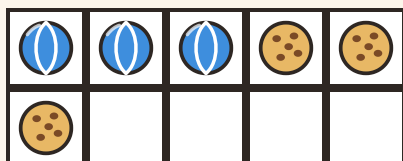
$2 + 2 =$

3



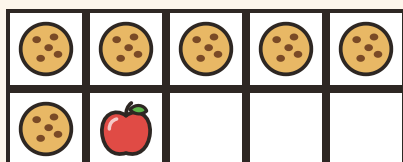
$4 + 4 =$

4



$3 + 3 =$

5



$6 + 1 =$



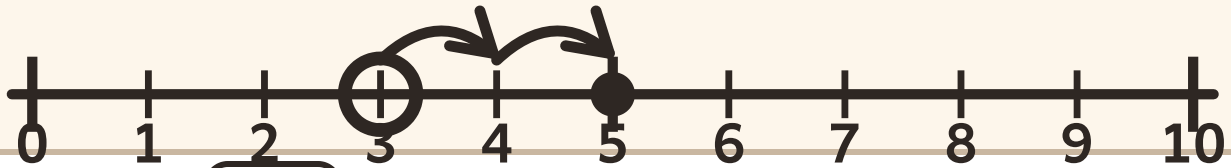
My name: \_\_\_\_\_

Date \_\_\_\_\_

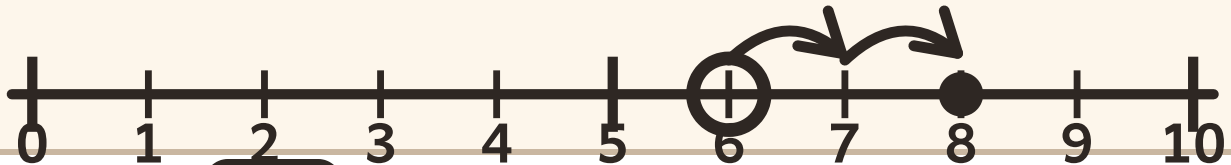


Count the hops. Write where you land.

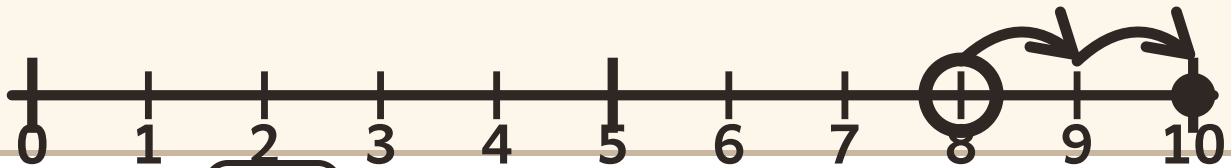
1  $3 + 2 =$



2  $6 + 2 =$



3  $8 + 2 =$



4  $4 + 4 =$



5  $5 + 5 =$





My name: \_\_\_\_\_

Date \_\_\_\_\_



Count what is left. Write how many.

1



$10 - 5 =$

2



$4 - 3 =$

3



$10 - 8 =$

4



$9 - 5 =$

5



$9 - 8 =$



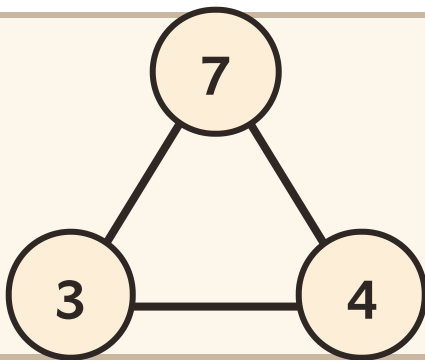
My name: \_\_\_\_\_

Date \_\_\_\_\_



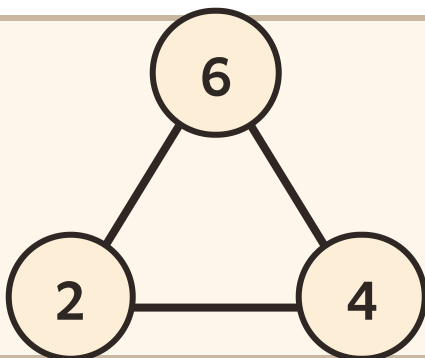
Write the addition and subtraction sentences for this family.

1



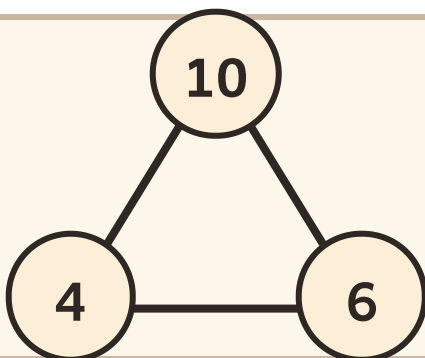
$$\begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array} \quad \begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array}$$

2



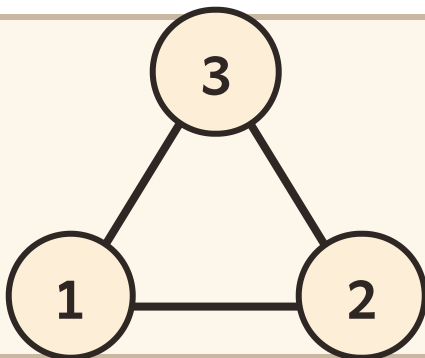
$$\begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array} \quad \begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array}$$

3



$$\begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array} \quad \begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array}$$

4



$$\begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array} \quad \begin{array}{rcl} \square + \square & = & \square \\ \square - \square & = & \square \end{array}$$



My name: \_\_\_\_\_

Date \_\_\_\_\_



☐ Is it right? Circle yes or no. Write the right answer.

1

$$8 - 7 = 1$$

Is it right?

yes

no

Right answer

2

$$3 + 3 = 7$$

Is it right?

yes

no

Right answer

3

$$5 + 5 = 9$$

Is it right?

yes

no

Right answer

4

$$2 + 8 = 9$$

Is it right?

yes

no

Right answer

5

$$8 - 2 = 7$$

Is it right?

yes

no

Right answer





My name: \_\_\_\_\_

Date \_\_\_\_\_



Cut out the answers. Glue each one in its box.

1

$2 + 4 =$

6

2

$10 - 1 =$

9

3

$2 + 7 =$

9

4

$10 - 7 =$

3

5

$2 + 8 =$

10

6

$7 - 2 =$

5



Cut on the dashed lines.

9

10

6

9

5

3

# ADDITION AND SUBTRACTION TRACKER



STUDENT

TEACHER

MONTH

| PAGE | PAGE TYPE AND SET       | ITEMS | RIGHT | DATE | NOTES |
|------|-------------------------|-------|-------|------|-------|
| 7    | Ten-Frame Add A         | 5     |       |      |       |
| 8    | Ten-Frame Add B         | 5     |       |      |       |
| 9    | Ten-Frame Add C         | 4     |       |      |       |
| 10   | Number Line Hops A      | 5     |       |      |       |
| 11   | Number Line Hops B      | 5     |       |      |       |
| 12   | Number Line Hops C      | 4     |       |      |       |
| 13   | Cross It Out A          | 5     |       |      |       |
| 14   | Cross It Out B          | 5     |       |      |       |
| 15   | Cross It Out C          | 4     |       |      |       |
| 16   | Fact Family Triangles A | 4     |       |      |       |
| 17   | Fact Family Triangles B | 4     |       |      |       |
| 18   | Fix It A                | 5     |       |      |       |
| 19   | Fix It B                | 4     |       |      |       |
| 20   | Cut and Glue A          | 6     |       |      |       |
| 21   | Cut and Glue 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 71 items on the 15 pages above; Ways to Add and Subtract (page 6) is not scored. Answer keys: pages 22 and 23. Filled example: page 28.

THIS MONTH WE ARE WORKING ON (YOUR OWN WORDING)





Priya S. is invented; nothing on this page describes a real student. The blank tracker is on page 24.

STUDENT

TEACHER

MONTH

Priya S. (an invented student)

Mr. Alvarez (invented)

October

| PAGE | PAGE TYPE AND SET       | ITEMS | RIGHT | DATE  | NOTES                                                               |
|------|-------------------------|-------|-------|-------|---------------------------------------------------------------------|
| 7    | Ten-Frame Add A         | 5     | 5     | 10/1  | –                                                                   |
| 8    | Ten-Frame Add B         | 5     | 4     | 10/2  | Wrote the two numbers in the wrong order once                       |
| 9    | Ten-Frame Add C         | 4     | –     | –     | –                                                                   |
| 10   | Number Line Hops A      | 5     | 5     | 10/3  | –                                                                   |
| 11   | Number Line Hops B      | 5     | 4     | 10/8  | Counted one hop short going backward once                           |
| 12   | Number Line Hops C      | 4     | –     | –     | –                                                                   |
| 13   | Cross It Out A          | 5     | 5     | 10/6  | –                                                                   |
| 14   | Cross It Out B          | 5     | –     | –     | –                                                                   |
| 15   | Cross It Out C          | 4     | –     | –     | –                                                                   |
| 16   | Fact Family Triangles A | 4     | 3     | 10/9  | Wrote the same addition sentence twice instead of turning it around |
| 17   | Fact Family Triangles B | 4     | –     | –     | –                                                                   |
| 18   | Fix It A                | 5     | 4     | 10/10 | Circled yes for a wrong answer once                                 |
| 19   | Fix It B                | 4     | –     | –     | –                                                                   |
| 20   | Cut and Glue A          | 6     | 6     | 10/7  | –                                                                   |
| 21   | Cut and Glue B          | 6     | –     | –     | –                                                                   |

### How to read it

Priya S. has done **8 of 15** scored pages and got **36 of 40** items right with no prompt. **4** pages were all right. Every number here comes from the table above.

### The family note this tracker would produce

“This month Priya finished 8 addition and subtraction pages and got 36 of 40 items right. Priya counted a backward hop one short once; a bit more practice with Number Line Hops is next.” — every fact in it is a row of the table above.

### What the table points to

Every page with a note is one item short of full: Ten-Frame Add B, Number Line Hops B, Fact Family Triangles A, Fix It A. The four 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 (7 of 15) are not tried yet, never wrong.





# 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 telling addition and subtraction apart. 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 cut-and-paste way to bonds, the other operation on its own, and the next step up once 10 is solid.

### NUMBER BONDS

Cut and Paste to 10, 3 Levels

**26**  
PAGES

**BRIGHT PATH SPED** PreK-2 - Special Education

**Number Bonds to 10 Cut and Paste, 3 Levels**

The cut-and-paste way to bonds and missing parts to 10.

### SUBTRACTION

Cut and Paste Within 10, 3 Levels

**26**  
PAGES

**BRIGHT PATH SPED** PreK-2 - Special Education

**Subtraction Within 10 Cut and Paste, 3 Levels**

Take-away within 10, cut and glue, at three levels.

### ADDITION TO 20

Cut and Paste, 3 Levels

**41**  
PAGES

**BRIGHT PATH SPED** PreK-2 - Special Education

**Addition to 20 Cut and Paste, 3 Levels**

The next step up once 10 is solid: addition to 20, cut and glue.

Part of the K-2 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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