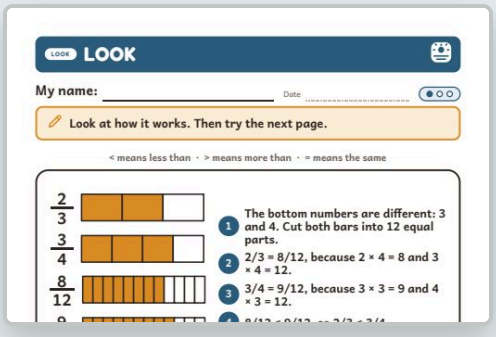
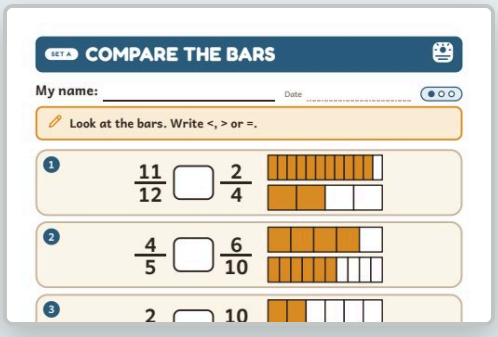
4TH GRADE · MATH

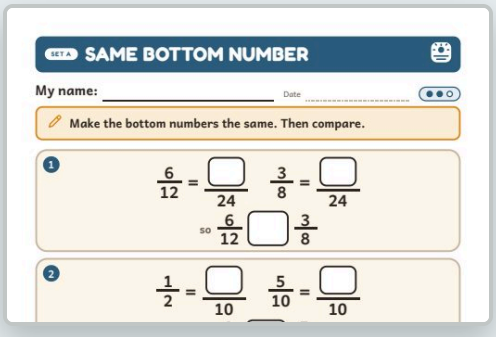
BARS, HALVES, ORDER

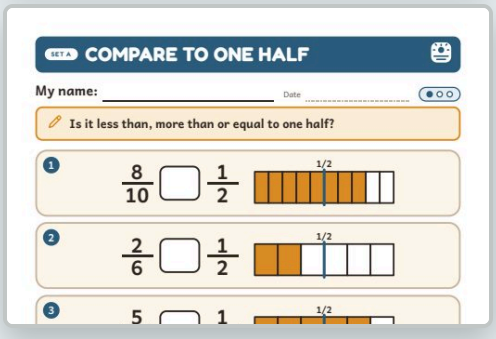
COMPARING FRACTIONS

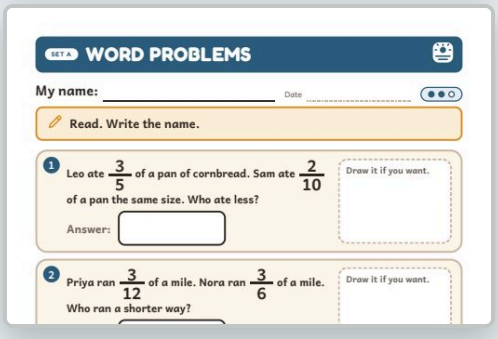
Unlike denominators: compare with bars, common denominators and one half; order three fractions; word problems; cut and glue. With keys, a tracker and a family page. Print, or type the names and answers. PDF.

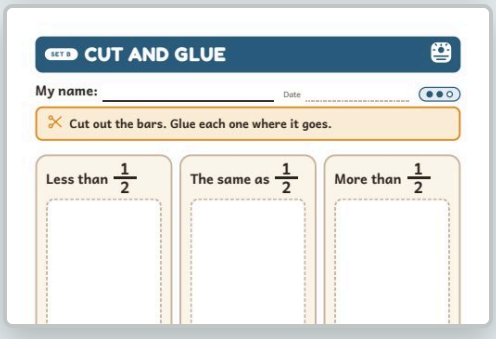












30 Pages | **7 Page Types** | **64 Items** | **Drawn Bars**

BRIGHT PATH SPED

START HERE

QUICK START

One complete kit for one big idea: when two fractions have different bottom numbers, you can still tell which is more. Draw it, make the bottom numbers the same, or check it against one half — on pages with room to work, untimed.

THREE STEPS

1. **Look at the pictures together**
   Page 5 works two examples with bars: one with a common bottom number, one using one half as a benchmark. Read it aloud with the child, then turn to Compare the Bars.

2. **Hand over a page**
   Every student page opens with a name line and one short instruction, and the pictures and 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, 20 and 21. Date each page on the tracker (page 22), roll a group up on page 23, and send the home page (25). A filled example is on page 26.

WHICH PAGE, WHEN

WHEN…	USE…
Meeting unlike bottom numbers for the first time	Look, page 5 · Bars, page 6
Can compare when the bars are drawn	Bars B, page 7
Ready to make the bottom numbers the same	Same Bottom Number, pages 8, 9
Needs a quick check without a picture	Compare to One Half, pages 10, 11
Can compare two; ready for three	Put in Order, pages 12, 13
Ready to use it in a story	Word Problems, pages 14, 15
Better with cutting and gluing	Cut and Glue, pages 16, 17, 18
Ready to send practice home	Home page 25 · notes: page 24

Everything inside (30 pages)

- **14 student pages** in 7 page types: Look, Compare the Bars, Same Bottom Number, Compare to One Half, Put in Order, Word Problems and Cut and Glue
- **64 different items**, every one computed in code, bottom numbers from 2 to 12
- **18 cut-and-glue pieces** in 3 sets of six: sort by one half (fractions and bars) and true or false
- **3 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

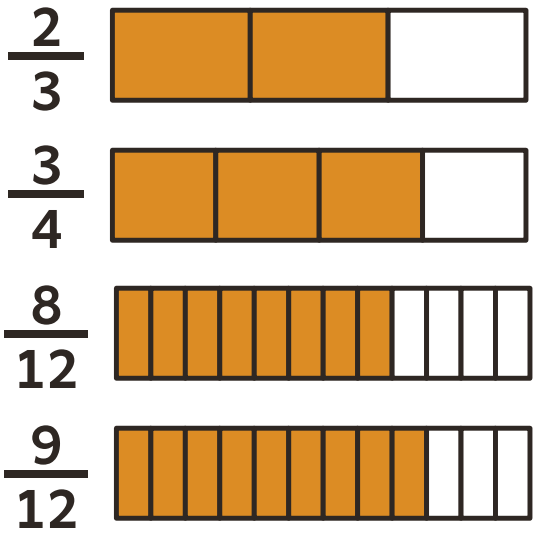
Every page starts from a picture the child can see: two bars drawn to the same length. Then the numbers come in. No item is used twice, no answer sits where a child could guess it, and no page can be solved by always picking the bigger bottom number or the bigger top number. Nothing is timed and nothing on a student page is scored.

LOOK

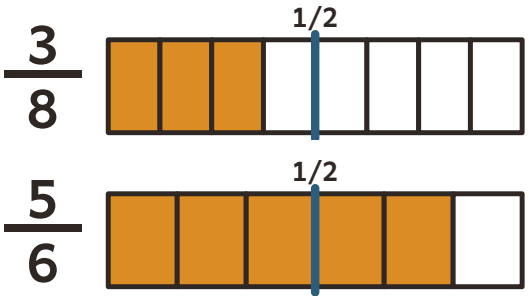
My name: _____ Date .....

Look at how it works. Then try the next page.

< means less than · > means more than · = means the same



1. The bottom numbers are different: 3 and 4. Cut both bars into 12 equal parts.
2. 2/3 = 8/12, because 2 × 4 = 8 and 3 × 4 = 12.
3. 3/4 = 9/12, because 3 × 3 = 9 and 4 × 3 = 12.
4. 8/12 < 9/12, so 2/3 < 3/4.



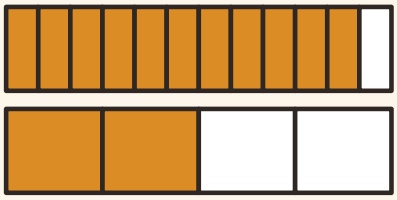
1. Half of 8 is 4. 3 is less than 4, so 3/8 < 1/2.
2. Half of 6 is 3. 5 is more than 3, so 5/6 > 1/2.
3. A fraction under one half is smaller than a fraction over one half.
4. So 3/8 < 5/6.

SET A COMPARE THE BARS

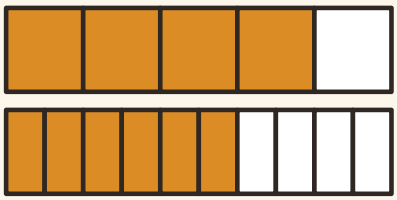
My name: _____ Date .....

Look at the bars. Write <, > or =.

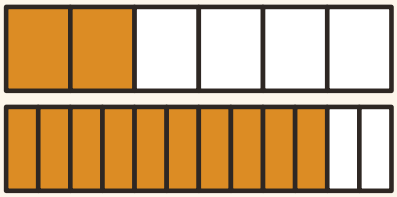
1. $\frac{11}{12}$ ☐ $\frac{2}{4}$



2. $\frac{4}{5}$ ☐ $\frac{6}{10}$



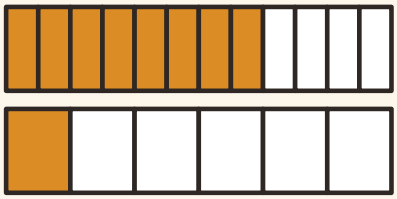
3. $\frac{2}{6}$ ☐ $\frac{10}{12}$



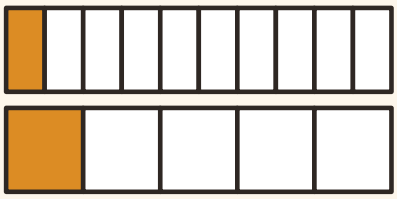
4. $\frac{2}{8}$ ☐ $\frac{1}{4}$



5. $\frac{8}{12}$ ☐ $\frac{1}{6}$



6. $\frac{1}{10}$ ☐ $\frac{1}{5}$



SET A SAME BOTTOM NUMBER

My name: _____ Date .....

Make the bottom numbers the same. Then compare.

1

$\frac{6}{12} = \frac{\square}{24}$ $\frac{3}{8} = \frac{\square}{24}$

so $\frac{6}{12} \square \frac{3}{8}$

2

$\frac{1}{2} = \frac{\square}{10}$ $\frac{5}{10} = \frac{\square}{10}$

so $\frac{1}{2} \square \frac{5}{10}$

3

$\frac{6}{8} = \frac{\square}{24}$ $\frac{5}{6} = \frac{\square}{24}$

so $\frac{6}{8} \square \frac{5}{6}$

4

$\frac{9}{12} = \frac{\square}{12}$ $\frac{4}{6} = \frac{\square}{12}$

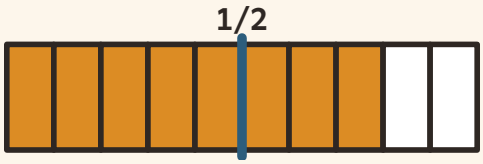
so $\frac{9}{12} \square \frac{4}{6}$

SET A COMPARE TO ONE HALF

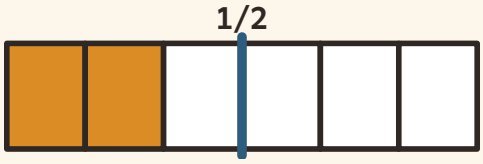
My name: _____ Date .....

Is it less than, more than or equal to one half?

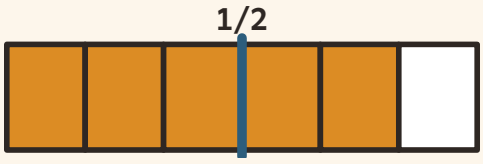
1. $\frac{8}{10} \square \frac{1}{2}$



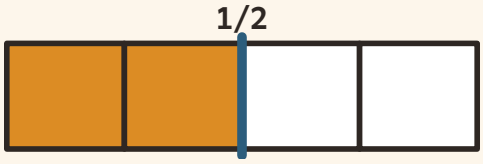
2. $\frac{2}{6} \square \frac{1}{2}$



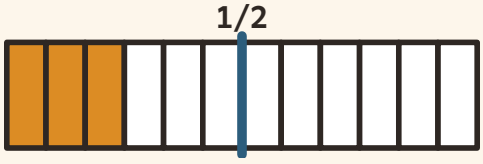
3. $\frac{5}{6} \square \frac{1}{2}$



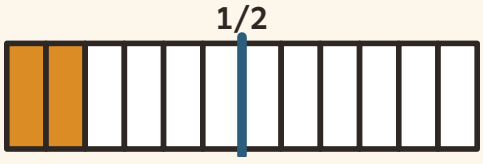
4. $\frac{2}{4} \square \frac{1}{2}$



5. $\frac{3}{12} \square \frac{1}{2}$



6. $\frac{2}{12} \square \frac{1}{2}$



SET A

WORD PROBLEMS

My name: _____ Date .....

Read. Write the name.

1 Leo ate $\frac{3}{5}$ of a pan of cornbread. Sam ate $\frac{2}{10}$ of a pan the same size. Who ate less?

Answer: _____

Draw it if you want.

2 Priya ran $\frac{3}{12}$ of a mile. Nora ran $\frac{3}{6}$ of a mile. Who ran a shorter way?

Answer: _____

Draw it if you want.

3 Zara drank $\frac{1}{12}$ of a bottle of water. Eli drank $\frac{4}{6}$ of a bottle the same size. Who drank more?

Answer: _____

Draw it if you want.

4 Kai used $\frac{8}{10}$ of a yard of ribbon. Ana used $\frac{1}{2}$ of a yard. Who used less ribbon?

Answer: _____

Draw it if you want.

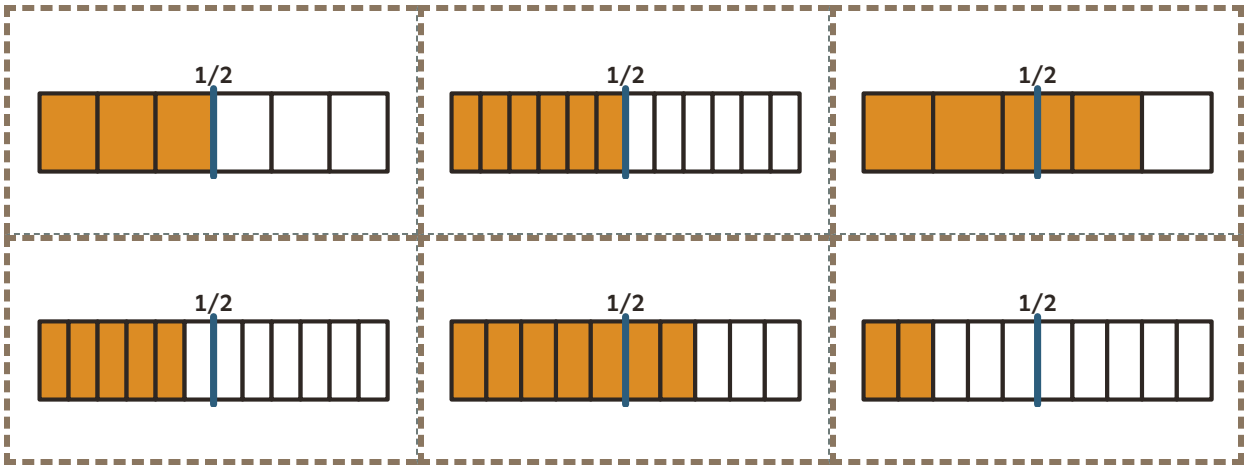
SET B CUT AND GLUE

My name: _____ Date .....

Cut out the bars. Glue each one where it goes.

Less than $\frac{1}{2}$	The same as $\frac{1}{2}$	More than $\frac{1}{2}$

Cut on the dashed lines.



TRACKER

COMPARING FRACTIONS TRACKER

STUDENT _____ TEACHER _____ MONTH _____

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
6	Compare the Bars A	6			
7	Compare the Bars B	6			
8	Same Bottom Number A	4			
9	Same Bottom Number B	4			
10	Compare to One Half A	6			
11	Compare to One Half B	4			
12	Put in Order A	4			
13	Put in Order B	4			
14	Word Problems A	4			
15	Word Problems B	4			
16	Cut and Glue A	6			
17	Cut and Glue B	6			
18	Cut and Glue C	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; Look (page 5) is not scored. On a Cut and Glue page an item is one piece in the right place. Answer keys: pages 19, 20 and 21. Filled example: page 26.

THIS MONTH WE ARE WORKING ON (YOUR OWN WORDING)

EXAMPLE DANI'S TRACKER

Dani R. is invented; nothing on this page describes a real student. The blank tracker is on page 22.

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

TEACHER **Ms. Patel (invented)**

MONTH **October**

PAGE	PAGE TYPE AND SET	ITEMS	RIGHT	DATE	NOTES
6	Compare the Bars A	6	6	10/1	–
7	Compare the Bars B	6	5	10/3	Picked the one with the bigger bottom number on one pair
8	Same Bottom Number A	4	4	10/6	–
9	Same Bottom Number B	4	3	10/8	Changed the bottom number but not the top on one fraction
10	Compare to One Half A	6	6	10/10	–
11	Compare to One Half B	4	–	–	–
12	Put in Order A	4	3	10/14	Wrote biggest first on one row
13	Put in Order B	4	–	–	–
14	Word Problems A	4	4	10/16	–
15	Word Problems B	4	3	10/20	Named the child with the smaller fraction
16	Cut and Glue A	6	6	10/22	–
17	Cut and Glue B	6	5	10/24	Glued an exact half under more than
18	Cut and Glue C	6	–	–	–

How to read it

Dani R. has done **10 of 13** scored pages and got **45 of 50** items right with no prompt. **5** pages were all right. Every number here comes from the table above.

The family note this tracker would produce

"This month Dani finished 10 comparing-fractions pages and got 45 of 50 items right. She sometimes looked at the bottom number instead of the size of the pieces; drawing both bars 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: Compare the Bars B, Same Bottom Number B, Put in Order A, Word Problems B, Cut and Glue B. The 5 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 (3 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 fractions. 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**.

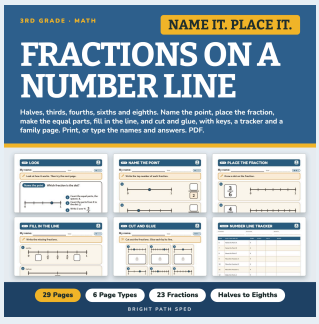
WHAT'S NEXT FROM THIS STORE

Where this starts, fractions on a number line, and the data side of comparing and ordering.



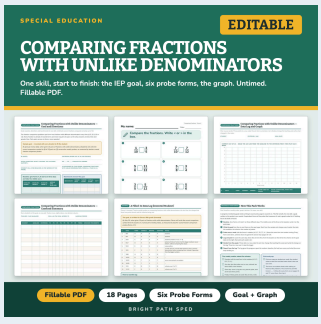
Equivalent Fractions Worksheets

Where this starts: the same amount in different pieces.



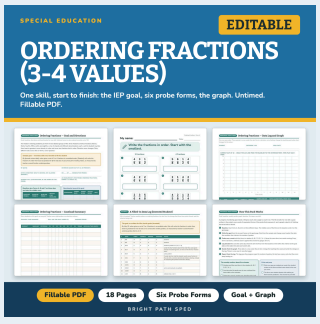
Fractions on a Number Line Worksheets

Name and place fractions from halves to eighths.



Comparing Fractions Probes

The data side of this skill: forms for a goal on the IEP.



Ordering Fractions Probes

Putting fractions in order, with a graph.

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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