

Hands-on
and
Engaging!

Activates
Problem
Solving

Perfect
for Math
Centers

Non-Routine
and
Challenging

Time to Tile!

0

1

2

3

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5

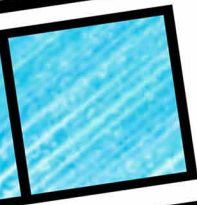
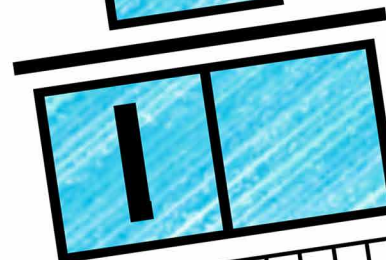
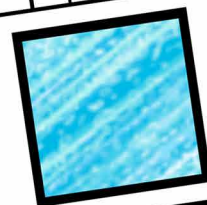
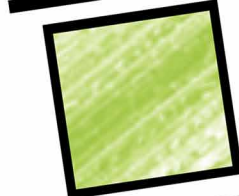
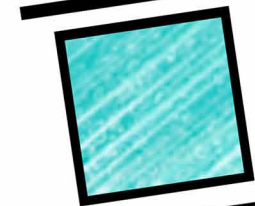
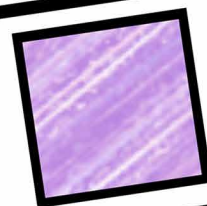
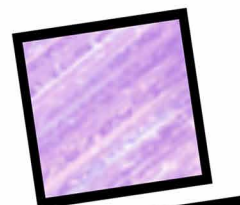
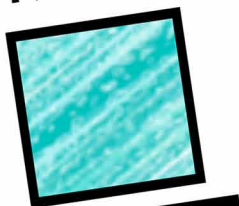
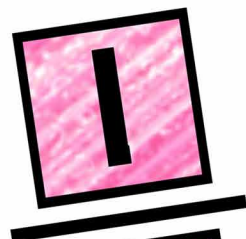
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7

8

9

COMPARING FRACTIONS



SHADE IN
THE BLANK
FRACTION
BARS FOR
HELP!

Time to Tile: Tips for Implementation

Time to Tile: Compare Fractions math center is a hands-on activity that takes students' thinking beyond procedures and rote memorization. This engaging resource activates critical thinking and problem-solving skills, all while building a true understanding of fractions. Students must place 10 number tiles (0-9) on the Time to Tile cards in order to correctly solve three greater than, less than, and equal problems.

This resource includes:

- 30 different Time to Tile cards
- An "Answer Recording Sheet," where students can record their answers so they can be corrected later. This allows the resource to be used as a perfect independent or center activity.
- Answer keys
- Management and organization tips for successfully implementing Time to Tile in your classroom.

Where can I get number tiles?

You can also purchase these number tiles. You can get 150 of these tiles, which will make 15 student sets, for about \$12 on Amazon. They are made by Eureka. The set also comes with operation signs (+, -, ×, ÷, =), which are nice to have on hand, though you won't use them for the Time to Tile activities. Click on the image to the right for the link.



You can also make your own number tiles for very little money. Using these sheets of craft foam, cut 1 inch x 1 inch squares and then write the digits on them with the a permanent marker. The foam tiles are nice because you can use a variety of colors. However, don't plan on them lasting for more than one school year. They can start to degrade pretty quickly, and some students might start picking at them.



Time to Tile: Tips for Implementation

How should I organize and manage the materials for optimal classroom use?

In my class, each student has a set of number tiles in their desks so they are ready to go at a moment's notice. I made sure to label each set of number tiles with student identification numbers (1-36) so that if a missing tile is found, we know who to return it to. I have the students store their number tiles in the smallest reusable food containers that I could find. I also wrote student identification numbers on these.

The Time to Tile cards can be printed on cardstock and laminated. I suggest making multiple sets to make it easy for your students to access them. I actually made a set for each table group and store the cards in a hanging file container at the front of each table. This way if we have an extra few minutes of class time, the students can quickly grab a card and get to work. Of course, if you only plan to use these cards as a center activity, then you could only make just one or two sets of cards.

The Student Answer Recording Sheets are double-sided; problems 1-15 are on one side and problems 16-30 are on the reverse side. Students keep these in a "Works-in-Progress" folder in their desks.

I place the Answer Keys in sheet protectors and store them in a binder. Twice a week I collect student answer sheets to correct. The answer sheets do not have to be complete to be corrected. If a student gets a card correct, I star it. If one is incorrect, I simply write a small dot near it. The student then knows that he/she needs to revisit that one. He/she can then resubmit the answer sheet and if the proper corrections have been made, I simply draw a star right over the dot.

Created in GOOGLE SLIDES

VIDEO TUTORIAL

Click here!



Number Patterns

13, 17, 19, [], [], 31

[], [], 49, 52, 57, 64

68, 59, [], [], 41, 32

70, [], [], 52, 43, 34

81, 85, 89, 93, [], []

0 1 2 3 4 5 6 7 8 9

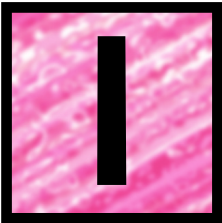
Digital Math Tiles in Google Classroom

NOT SURE WHERE TO BEGIN?

Watch this short tutorial on how to use digital math tiles with Google Classroom.

It's so easy--I promise!

COMPARING FRACTIONS





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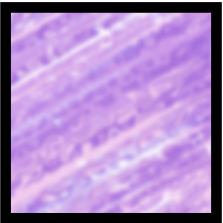


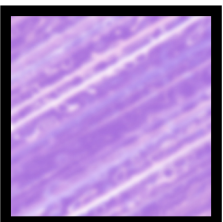


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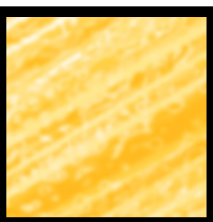












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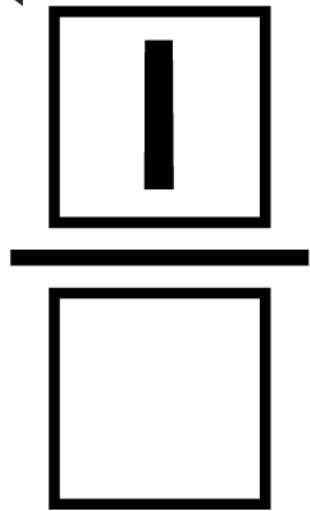




SHADE IN
THE BLANK
FRACTION
BARS FOR
HELP!

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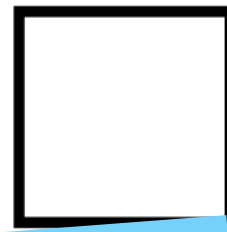
COMPARING FRACTIONS



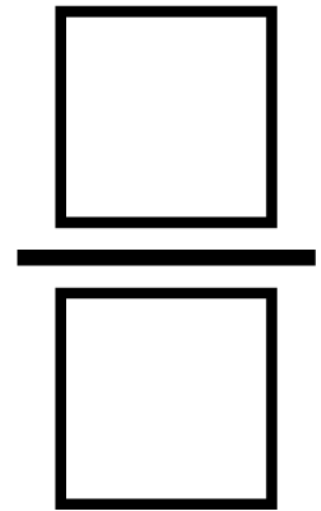
A fraction bar with a numerator box containing the number 1 and a denominator box.



An empty fraction bar with numerator and denominator boxes.



An empty fraction bar with numerator and denominator boxes.



A fraction bar with an empty numerator box and an empty denominator box.



Two empty fraction bars, each with a numerator and denominator box.



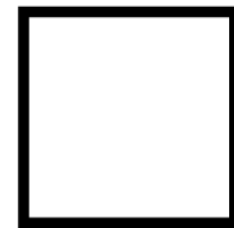
An empty fraction bar with a numerator and denominator box.



An empty fraction bar with a numerator and denominator box.



Ten empty fraction bars, each with a numerator and denominator box.



An empty fraction bar with a numerator and denominator box.



A fraction bar with a numerator box containing the number 1 and a denominator box.



An empty fraction bar with a numerator and denominator box.



Ten empty fraction bars, each with a numerator and denominator box.



Ten empty fraction bars, each with a numerator and denominator box.

Black & White
Versions
Included

SHADE IN
THE BLANK
FRACTION
BARS FOR
HELP!

6

COMPARING FRACTIONS

$\frac{1}{2} > \frac{1}{3}$ $\frac{2}{3} < \frac{1}{2}$

$\frac{3}{4} = \frac{6}{8}$

OWEN IS THE SAME FRACTION AS BEN!

0 1 2 3 4 5 6 7 8 9



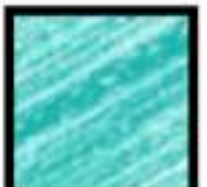
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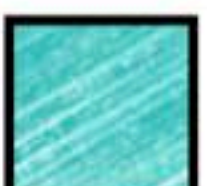
COMPARING FRACTIONS





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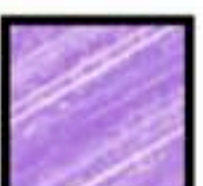




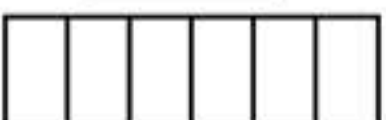


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COMPARING FRACTIONS

$\frac{1}{2} > \frac{1}{3}$ $\frac{1}{6} < \frac{1}{3}$

$\frac{3}{6} = \frac{2}{3}$

CHUCKLE
ON THE BARGE
FOR THE
BARK OF THE
SHIP!

0 1 2 3 4 5 6 7 8 9



3

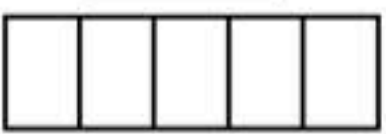
COMPARING FRACTIONS



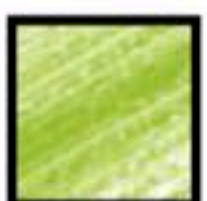
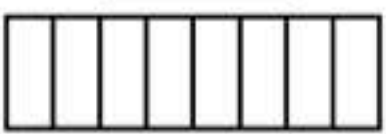


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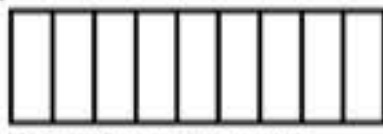




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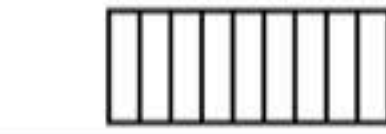






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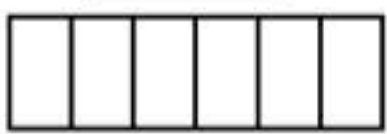
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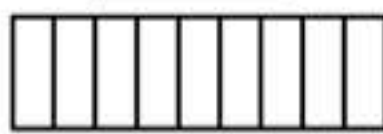
COMPARING FRACTIONS


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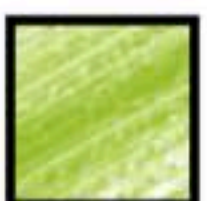
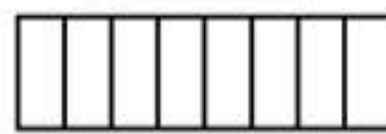


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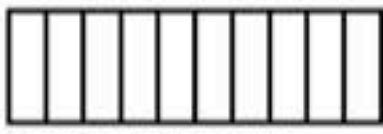

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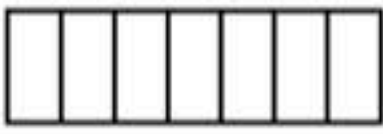



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SHADE IN THE BLANK FRACTION BARS FOR HELP!

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Comparing Fractions Answer Recording Sheet

1 $\frac{1}{\square} > \frac{\square}{\square} \quad \frac{\square}{\square} < \frac{\square}{\square}$ $\frac{3}{\square} = \frac{\square}{1\square}$	2 $\frac{\square}{3} = \frac{\square}{\square} \quad \frac{\square}{7} < \frac{\square}{\square}$ $\frac{5}{\square} > \frac{\square}{\square\square}$	3 $\frac{\square}{\square} < \frac{\square}{\square} \quad \frac{\square}{\square} = \frac{\square}{4}$ $\frac{\square}{\square} < \frac{1\square}{12}$
4 $\frac{\square}{\square} = \frac{3}{\square} \quad \frac{\square}{\square} > \frac{\square}{5}$ $\frac{4}{\square\square} < \frac{\square}{\square}$	5 $\frac{\square}{\square} < \frac{\square}{\square} \quad \frac{4}{\square} = \frac{\square}{\square}$ $\frac{\square}{\square} > \frac{\square}{\square}$	6 $\frac{\square}{\square} > \frac{\square}{\square} \quad \frac{\square}{6} < \frac{\square}{\square}$ $\frac{3}{\square} = \frac{6}{\square\square}$
7 $\frac{1}{\square} = \frac{\square}{\square} \quad \frac{4}{\square} > \frac{\square}{\square}$ $\frac{\square}{1\square} < \frac{\square}{\square}$	8 $\frac{\square}{\square} < \frac{\square}{\square} \quad \frac{5}{\square} > \frac{\square}{9}$ $\frac{\square}{\square} = \frac{\square}{1\square}$	9 $\frac{3}{\square} \quad \frac{\square}{\square} = \frac{\square}{3}$ $\frac{\square}{\square\square} > \frac{\square}{9}$
10 $\frac{\square}{\square} < \frac{\square}{\square} \quad \frac{\square}{\square} > \frac{\square}{8}$ $\frac{1}{\square} = \frac{\square}{1\square}$	11 $\frac{\square}{\square} < \frac{\square}{1\square} \quad \frac{5}{\square} > \frac{\square}{9}$ $\frac{\square}{\square} = \frac{\square}{1\square}$	12 $\frac{\square}{5} < \frac{5}{\square} \quad \frac{\square}{\square} > \frac{\square}{\square}$ $\frac{\square}{\square} = \frac{\square\square}{12}$
13 $\frac{\square}{9} > \frac{\square}{\square} \quad \frac{\square}{\square} = \frac{\square}{12}$ $\frac{4}{\square} < \frac{\square}{\square\square}$	14 $\frac{\square}{4} < \frac{\square}{\square} \quad \frac{\square}{\square\square} > \frac{\square}{\square}$ $\frac{2}{\square} = \frac{\square}{12}$	15 $\frac{\square}{1\square} > \frac{\square}{\square} \quad \frac{\square}{\square} < \frac{\square}{6}$ $\frac{\square}{\square} = \frac{\square}{6}$

Student
Answer
Recording
Sheets



MORE HANDS-ON MATH ACTIVITIES

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Adding and Subtracting

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

All Operations

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Area Model Multiplication

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Area of Triangles

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Decimal Place Value on a Number Line

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Elapsed Time

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Equivalent Decimals & Fractions

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Long Division

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Missing Divisors, Dividends, & Quotients

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Multi-Digit Multiplication

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Order of Operations 1

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Time to Tile!

0 1 2 3 4 5 6 7 8 9

Fractions on a Number Line

Hands-on and Engaging! Activates Problem Solving Perfect For Math Centers Non-Routine and Challenging

Foster critical thinking and problem solving skills, while developing a concrete understanding of Fractions!

Pattern Block Fraction Task Cards

Perfect for math centers, Fast-Finishers, and cooperative learning activities.

Foster critical thinking and problem solving skills, while developing a concrete understanding of fractions!

Tangram Fraction Task Cards

Perfect for math centers, Fast-Finishers, and cooperative learning activities.

36 fun logic riddles that can be used independently or in groups of 4.

Problem Solving with Pattern Blocks 1

Activate critical thinking and problem solving skills, while reinforcing essential math concepts.

Cooperative learning task cards that promote critical thinking, problem solving, and spatial reasoning.

It Takes Two to Tangram

Two students • Two tangram sets • Too much fun!