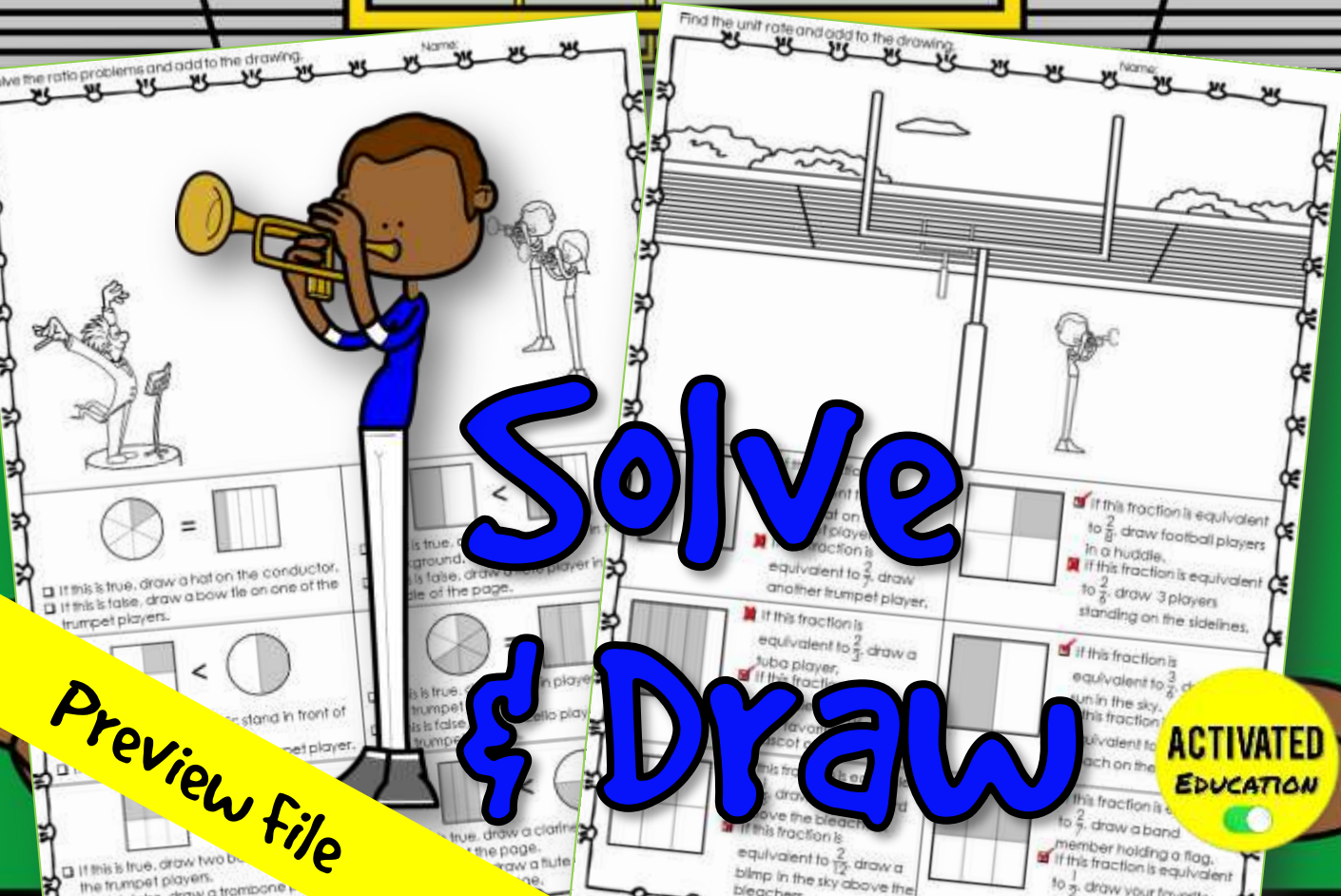


FRACTIONS

Preview File

IDENTIFYING COMPARING EQUIVALENCY

Solve
& Draw



Preview File

ACTIVATED
EDUCATION

FRACTIONS

IDENTIFY · COMPARE · EQUIVALENCY

Solve & Draw

TABLE OF CONTENTS

Directions		3
Identifying Fractions	Talent Show	4
Identifying Fractions	Music Class	5
Identifying Fractions	Campfire Sing A Long	6
Identifying Fractions	Pep Rally	7
Determining Equivalency	Concert	8
Determining Equivalency	Garage Band Practice	9
Determining Equivalency	Marching Band	10
Comparing Fractions	Music Video Practice	11
Comparing Fractions	Music Store	12
Comparing Fractions	Orchestra	13
Challenge Page		14
Answer Keys		15 - 25
Terms of Use		26
Contact & Credits		27

FRACTIONS

IDENTIFY · COMPARE · EQUIVALENCY

Solve & Draw

DIRECTIONS

Solve and Draw printables for are an easy, no-prep way to make identifying and comparing fraction practice more engaging. Inspired by a group of reluctant mathematicians with amazing creativity, these printables are designed to engage students in math practice with an artistic twist. This resource may be used as a fun quiz or as a review. Perfect for the sub tub or a math center.

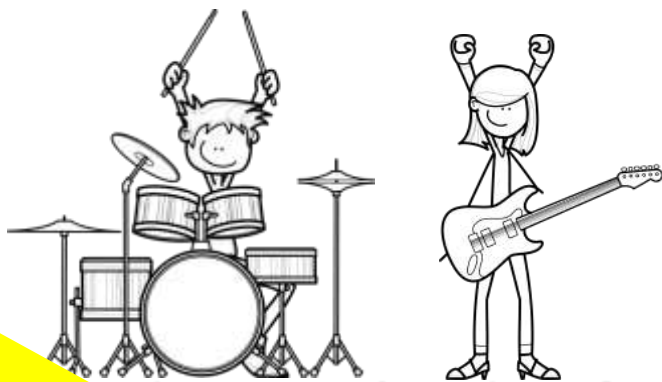
How Solve & Draw Activities Work

Students solve the fraction problems and add to the Winter-themed drawing based on their answers. Students are directed on what to draw but are able to personalize the item to their preferences and drawing styles. Drawings range from stick figures to anime inspired to cartoons to realistic and everything in between. Drawing is no-prep because it can be done with the student's normal writing utensil (pen or pencil). You may choose to allow colored pencils, crayons, or markers but they are not required. This works well as a homework option for families who may not have those supplies to offer and is a great "print and go" resource for sub days, warm ups, and math centers!

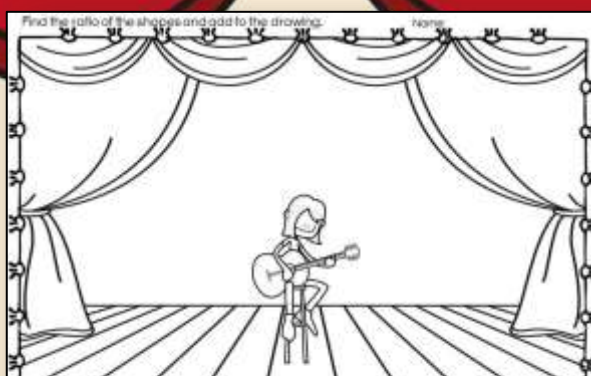
Solve & Draw Fraction Printables work well to extend thinking and for early finishers. An optional challenge page is included that can be copied on the back of the worksheet – this gives students an extension opportunity by asking them to create a math equation that fits one of the incorrect drawing prompts or to create a math equation and their own drawing prompts. They can then add the correct drawings to their own paper or you can share them with the whole class for further practice!

Included Skills

These pages ask students to identify the fraction given using words and numerical representations, determine equivalency, and compare fractions using $=$, $<$, and $>$.

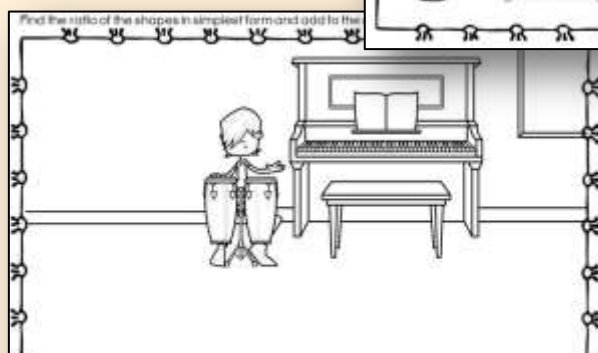


Find the ratio of the shapes and add to the drawing. Name: _____



 ☐ If this is one-half, draw a hat on the boy. ☐ If this is $\frac{1}{4}$, draw a bow tie on the boy.	 ☐ If this is two-fourths, draw two stage lights near the ceiling. ☐ If this is $\frac{3}{4}$, draw three stars hanging from the ceiling.
 ☐ If this is two-thirds, draw a scarf on the neck of the guitar. ☐ If this is $\frac{1}{3}$, draw a person peeking out from behind the curtain.	 ☐ If this is one-sixth, draw music notes coming from the original guitar. ☐ If this is $\frac{1}{2}$, draw a keyboard player on stage.
 ☐ If this is three-fourths, draw a singer on stage. ☐ If this is $\frac{1}{3}$, draw another guitarist on stage.	 ☐ If this is two-thirds, draw three roses laying on stage. ☐ If this is $\frac{3}{4}$, draw a "Talent Show" poster on the back wall.

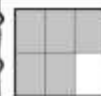
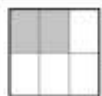
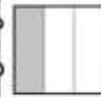
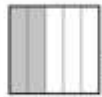
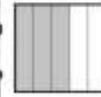
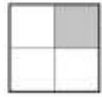
Find the ratio of the shapes in simplest form and add to the drawing. Name: _____



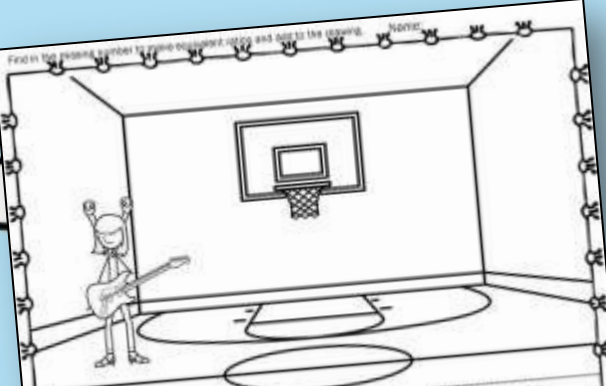
 ☐ If this is five-sixths, draw another drummer next to the original drummer. ☐ If this is $\frac{4}{6}$, draw a vase of flowers on the top of the piano.	 ☐ If this is two-fourths, draw someone playing a tambourine. ☐ If this is $\frac{2}{4}$, draw a poster of your favorite musician on the wall.
 ☐ If this is one-third, draw music notes on the paper that are on the piano. ☐ If this is $\frac{1}{3}$, draw a hat on the original drummer.	 ☐ If this is one-sixth, write "Welcome to Music Class!" on the whiteboard. ☐ If this is $\frac{1}{2}$, draw another drummer next to the original drummer.
 ☐ If this is three-fourths, draw someone playing a recorder. ☐ If this is $\frac{3}{4}$, draw someone playing the piano.	 ☐ If this is two-sixths, draw two kids sitting on the floor. ☐ If this is $\frac{3}{6}$, draw one kid sitting on the floor.

Find the ratio of the shapes and add to the drawing. Name: _____



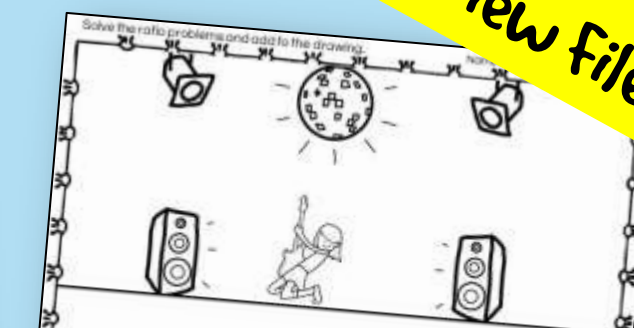
 ☐ If this is five-sixths, draw a mountain in the background. ☐ If this is $\frac{5}{6}$, draw another cloud in the sky.	 ☐ If this is two-sixths, draw a camper roasting a hot dog in the fire. ☐ If this is $\frac{2}{6}$, draw a camper toasting a marshmallow in the fire.
 ☐ If this is one-fourth, draw a river in front of the trees. ☐ If this is $\frac{1}{2}$, draw a singer beside the guitar player.	 ☐ If this is one-sixth, draw a bear coming out of the woods. ☐ If this is $\frac{2}{6}$, draw a dog sitting near the guitar player.
 ☐ If this is three-sixths, draw a tent in the background. ☐ If this is $\frac{3}{6}$, draw a log by the fire.	 ☐ If this is one-fourth, draw a hat on the guitar player. ☐ If this is $\frac{1}{2}$, draw a lake in the background.

Find in the picture number to solve equivalent ratios and add to the drawing. Name: _____



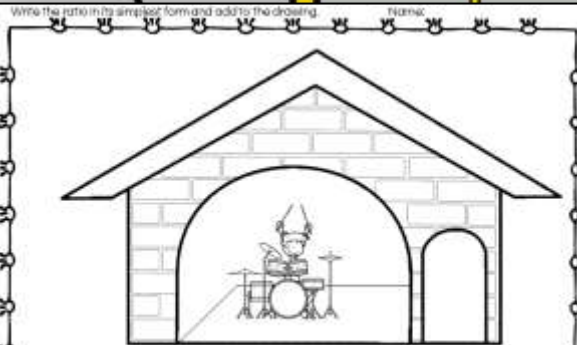
☐ If this is two-thirds, draw a cheerleader standing beside guitar player. ☐ If this is $\frac{3}{4}$, draw a pyramid of three cheerleaders under the hoop.	☐ If this is three-fifths, draw a pennant in the guitarist's right hand. ☐ If this is $\frac{3}{4}$, draw a microphone in the guitarist's left hand.
☐ If this is three-fifths, draw a flag on the left wall. ☐ If this is $\frac{4}{5}$, draw a banner that says "Pep Rally Today!" on the left wall.	☐ If this is one-fourth, draw a basketball player on the right side of the page. ☐ If this is $\frac{1}{2}$, draw a basketball player dunking the ball.
☐ If this is one-fourth, draw your school's mascot running across the gym. ☐ If this is $\frac{3}{4}$, draw a banner that says "Go Team!" on the right wall.	☐ If this is one-half, draw a basketball player spinning a ball on her finger. ☐ If this is $\frac{1}{4}$, draw 3 basketballs on the floor.

Solve the ratio problems and add to the drawing. Name: _____



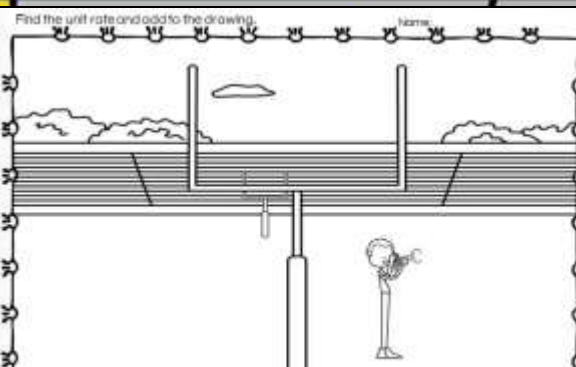
☐ If this is two-fourths, draw a lead singer. ☐ If this is $\frac{3}{4}$, draw a bass player.	☐ If this is three-fifths, draw a hat on the original guitarist. ☐ If this is $\frac{3}{4}$, draw sunglasses on the original guitarist.
☐ If this is three-fifths, draw another disco ball. ☐ If this is $\frac{3}{4}$, draw another speaker.	☐ If this is one-fifth, draw a dancer on the right side of the stage. ☐ If this is $\frac{1}{2}$, draw a dancer on the left side of the stage.
☐ If this is one-half, draw three people dancing in front of the stage. ☐ If this is $\frac{4}{5}$, draw four people dancing in front of the stage.	☐ If this is two-fourths, draw a stage curtain on the sides of the stage. ☐ If this is $\frac{2}{3}$, draw a plant screen behind the stage.

Write the ratio in its simplest form and add to the drawing. Name: _____



☐ If this fraction is equivalent to $\frac{1}{2}$, draw a small bush on the right side of the garage. ☐ If this fraction is equivalent to $\frac{2}{3}$, draw a mailbox on the right side of the garage.	☐ If this fraction is equivalent to $\frac{1}{4}$, draw a motorcycle in the garage. ☐ If this fraction is equivalent to $\frac{4}{10}$, draw a bicycle in the garage.
☐ If this fraction is equivalent to $\frac{2}{3}$, draw a cat in the doorway. ☐ If this fraction is equivalent to $\frac{2}{3}$, draw a dog in the doorway.	☐ If this fraction is equivalent to $\frac{2}{3}$, draw a microphone beside the drums. ☐ If this fraction is equivalent to $\frac{2}{3}$, draw a big speaker beside the drums.
☐ If this fraction is equivalent to $\frac{4}{5}$, draw two birds on the rooftop. ☐ If this fraction is equivalent to $\frac{3}{4}$, draw one bird on the rooftop.	☐ If this fraction is equivalent to $\frac{6}{10}$, draw a grumpy neighbor outside the garage. ☐ If this fraction is equivalent to $\frac{5}{10}$, write your initials on the bass drum.

Find the unit rate and add to the drawing. Name: _____



☐ If this fraction is equivalent to $\frac{1}{2}$, draw a band hat on the trumpet player. ☐ If this fraction is equivalent to $\frac{2}{3}$, draw another trumpet player.	☐ If this fraction is equivalent to $\frac{2}{3}$, draw football players in a huddle. ☐ If this fraction is equivalent to $\frac{2}{3}$, draw 3 players standing on the sidelines.
☐ If this fraction is equivalent to $\frac{2}{3}$, draw a tuba player. ☐ If this fraction is equivalent to $\frac{8}{10}$, draw a your favorite team mascot on the field.	☐ If this fraction is equivalent to $\frac{1}{2}$, draw the sun in the sky. ☐ If this fraction is equivalent to $\frac{4}{5}$, draw a coach on the sidelines.
☐ If this fraction is equivalent to $\frac{1}{3}$, draw a scoreboard above the bleachers. ☐ If this fraction is equivalent to $\frac{2}{3}$, draw a plop in the sky above the bleachers.	☐ If this fraction is equivalent to $\frac{2}{3}$, draw a band member holding a flag. ☐ If this fraction is equivalent to $\frac{1}{2}$, draw your favorite singer on the field, singing the national anthem.

Find the ratio and add to the drawing.

1. $\frac{1}{2} = \frac{1}{2}$

- If this is true, draw another singer on the right side of the dance floor.
- If this is false, draw a speaker behind the singer.

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

- If this is true, draw music notes coming from the original singer.
- If this is false, draw a backup singer beside the original singer.

3. $\frac{1}{4} > \frac{1}{2}$

- If this is true, draw two backup dancers by the mirrors.
- If this is false, draw one backup dancer by the mirrors.

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

- If this is true, draw a hat on the original singer.
- If this is false, draw sunglasses on the original singer.

5. $\frac{1}{4} < \frac{1}{2}$

- If this is true, draw a gym bag on the floor.
- If this is false, draw a poster on the wall that says "Dance!"

6. $\frac{1}{4} < \frac{1}{2}$

- If this is true, draw a sweatband on the original singer.
- If this is false, draw a water bottle by the original singer.

Find the ratio and add to the drawing.

1. $\frac{1}{2} = \frac{1}{2}$

- If this is true, draw a strap on the guitar.
- If this is false, draw 3 guitars hanging on a rack on the back wall.

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

- If this is true, draw a bongo drum in the bottom left corner.
- If this is false, draw a drum set in the bottom left corner.

3. $\frac{1}{4} = \frac{1}{2}$

- If this is true, draw a "20% Off Sale" sign on the door.
- If this is false, draw a "40% Off Sale" sign on the door.

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

- If this is true, draw a speaker plugged in to the original guitar.
- If this is false, draw a guitar case by the original guitar.

5. $\frac{1}{4} < \frac{1}{2}$

- If this is true, draw a keyboard by the window.
- If this is false, draw a piano by the window.

6. $\frac{1}{4} = \frac{1}{2}$

- If this is true, draw a kid peeking in the window.
- If this is false, draw a kid by the door.

Solve the ratio problems and add to the drawing.

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

- If this is true, draw a hat on the conductor.
- If this is false, draw a bow tie on one of the trumpet players.

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

- If this is true, draw a drum player in the background.
- If this is false, draw a flute player in the middle of the page.

3. $\frac{1}{4} < \frac{1}{2}$

- If this is true, draw a music stand in front of the trumpet players.
- If this is false, draw another trumpet player.

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

- If this is true, draw two bass players beside the trumpet players.
- If this is false, draw a trombone player.

5. $\frac{1}{4} < \frac{1}{2}$

- If this is true, draw a violin player in front of the trumpet players.
- If this is false, draw a cello player in front of the trumpet players.

6. $\frac{1}{4} < \frac{1}{2}$

- If this is true, draw a clarinet player on the left side of the page.
- If this is false, draw a flute player on the left side of the page.

Challenge Page

Name: _____

Challenge #1:

Choose a drawing prompt from the page what was not correct. Draw the correct fraction, and add the drawing to the original page.

Example:

Original Fraction	Drawing Prompts	New Fraction
$\frac{1}{2}$	- If this is one-half, draw a hat on the boy. - If this is $\frac{1}{4}$, draw a bow tie on the boy.	$\frac{1}{4}$

Challenge #1 Workspace:

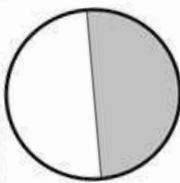
Challenge #2:

You create a new fraction problem and write two new drawing prompts. Add the correct drawing to your own page.

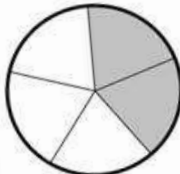
New Problem	Drawing Prompts

Find the ratio of the shapes and add to the drawing.

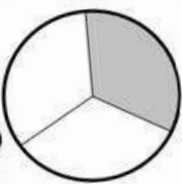
Name: _____



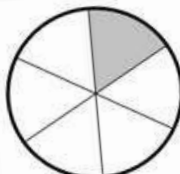
- ☒ If this is one-half, draw a hat on the boy.
- ☒ If this is $\frac{1}{4}$, draw a bow tie on the boy.



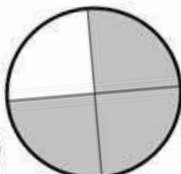
- ☒ If this is two-fourths, draw two stage lights near the ceiling.
- ☒ If this is $\frac{2}{5}$, draw three stars hanging from the ceiling.



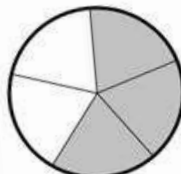
- ☒ If this is two-thirds, draw a scarf on the neck of the guitar.
- ☒ If this is $\frac{1}{3}$, draw a person peeking out from behind the curtain.



- ☒ If this is one-sixth, draw music notes coming from the original guitar.
- ☒ If this is $\frac{1}{5}$, draw a keyboard player on stage.



- ☒ If this is three-fourths, draw a singer on stage.
- ☒ If this is $\frac{1}{3}$, draw another guitarist on stage.



- ☒ If this is two-thirds, draw three roses laying on stage.
- ☒ If this is $\frac{3}{5}$, draw a "Talent Show" poster on the back wall.

Activated Education © 2016

Thank you for previewing!

Please contact me at activatededucation@gmail.com if you have any questions, concerns, or feedback.

Thank you!



Click for my
TpT Store!

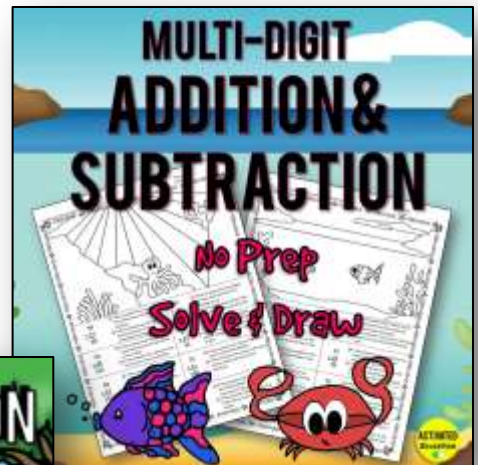
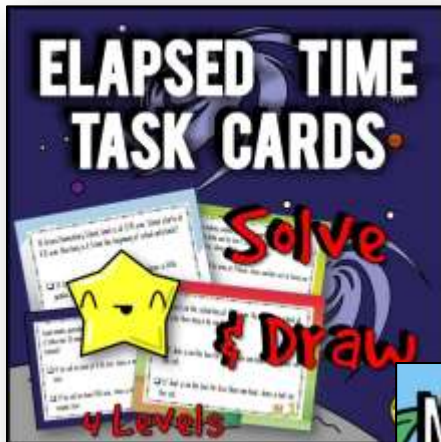


Connect with me
on Pinterest!



Connect with me
on Instagram

other engaging products you may be interested in:



Graphics Credited To:



And openclipart.org