

PREVIEW FILE

FRACTION OPERATIONS

Solve & Draw



MULTIPLICATION & DIVISION

FALL THEME • NO-PREP!

ACTIVATED
EDUCATION

FRACTION OPERATIONS

Solve & Draw Bundle

Fall Theme

TABLE OF CONTENTS

<u>Directions.....</u>	<u>4</u>
<u>Multiplying fractions without simplifying (Bench).....</u>	<u>5</u>
<u>Multiplication of mixed numbers (Neighborhood).....</u>	<u>6</u>
<u>Mixed Multiplication (Football).....</u>	<u>7</u>
<u>Dividing proper fractions (Dog at the Bridge).....</u>	<u>8</u>
<u>Division of mixed numbers (Reading at the Park).....</u>	<u>9</u>
<u>Mixed Division (The Lake).....</u>	<u>10</u>
<u>Mixed Multiplication & Division (The Farm).....</u>	<u>11</u>
<u>Challenge Page.....</u>	<u>12</u>
<u>Answer Keys.....</u>	<u>13 - 20</u>
<u>Contact & Credits.....</u>	<u>21</u>



FRACTION OPERATIONS

Solve & Draw Bundle

Fall Theme

DIRECTIONS

Fraction Operation Solve and Draw no-prep printables for multiplication and division are an easy, no-prep way to make review work or practice more engaging. These are also designed to provide practice of reading math directions.

Students solve the fraction multiplication and division calculations and add to the drawing based on their answers. To keep them guessing, each problem may have one correct drawing prompt, two, or none. Each page has an average of 7 responses that require drawing. 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.

Drawing prompts require a student to use multiple skills:

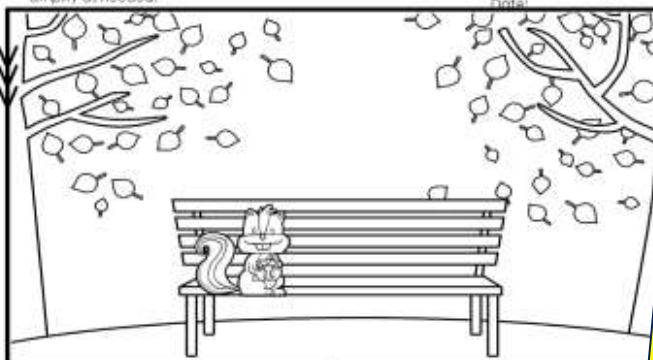
- Fraction calculations – multiplication and division
- Fractions vocabulary: fractions written as words, mixed number, whole numbers
- Math vocabulary: product and quotient
- Comparing fractions
- Reading carefully

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.



Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____



$\frac{3}{5} \times \frac{7}{10} =$	☐ If the product is in ninths, draw another squirrel on the bench. ☐ If the product is less than one-half, draw 3 acorns on the bench.	$\frac{3}{5} \times \frac{7}{9} =$	☐ If the product is in fifths, draw a hat on the squirrel. ☐ If the product is less than one-half, draw a caterpillar on one of the tree branches.
$\frac{1}{3} \times \frac{1}{4} =$	☐ If the product is in sixths, draw four acorns on each tree. ☐ If the product is more than one-half, draw 5 more leaves falling off one of the trees.	$\frac{2}{5} \times \frac{3}{8} =$	☐ If the product is in eighths, draw a pumpkin on the ground beside the bench. ☐ If the product is more than one-half, draw a worm peeking out of the ground.
$\frac{7}{8} \times \frac{6}{14} =$	☐ If the product is less than one-half, draw a squirrel up on one of the tree branches. ☐ If the product is in fourths, draw a bird's nest in one of the trees.	$\frac{9}{10} \times \frac{1}{3} =$	☐ If the product is in tenths, draw another tree behind the bench. ☐ If the product is less than one-half, draw a swing on one of the trees.
$\frac{5}{9} \times \frac{1}{3} =$	☐ If the product is in ninths, draw a bird perched on the top of the bench. ☐ If the product is more than one-half, draw glasses on the original squirrel.	$\frac{1}{7} \times \frac{1}{8} =$	☐ If the product is in fourteenths, draw flowers around the tree trunks. ☐ If the product is more than one-half, draw a bird feeder in one of the trees.

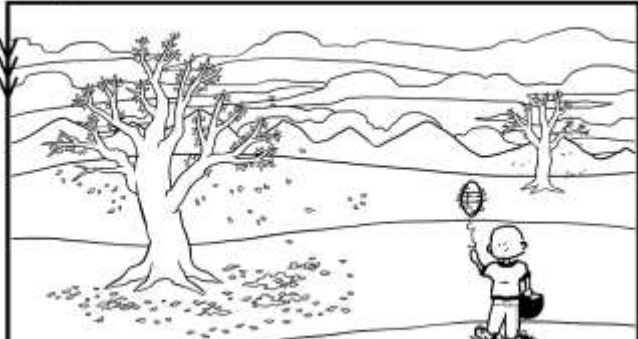
Adapted from © 2011

Bench:

Multiplication of Fractions with unlike denominators

Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____



$\frac{1}{5} \times 5\frac{1}{2} =$	☐ If the product is a mixed number, draw a number on the football player's jersey. ☐ If the product is in fifths, draw another football player.	$2 \times 5\frac{3}{10} =$	☐ If the product is a whole number, draw a goalpost out in the field. ☐ If the product is in fifths, draw a knot in the big tree trunk.
$\frac{4}{7} \times \frac{1}{3} =$	☐ If the product is more than one-half, draw a bench under the small tree. ☐ If the product is in thirds, draw a rake leaning against the big tree.	$\frac{6}{7} \times \frac{2}{3} =$	☐ If the product is less than one-half, draw someone sitting by the tree, reading. ☐ If the product is in thirds, draw three birds on the big tree.
$\frac{3}{11} \times \frac{4}{3} =$	☐ If the product is a whole number, draw a dog running out in the field. ☐ If the product is in	$\frac{8}{5} \times \frac{13}{10} =$	☐ If the product is a mixed number, draw another tree in the field. ☐ If the product is in fifths, draw a bird feeder in the big

Football:

Mixed Multiplication

Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____



$1\frac{1}{2} \times 4\frac{2}{3} =$	☐ If the product is a mixed number, draw a basketball hoop by the girl. ☐ If the product is in halves, draw another basketball player by the original player.	$2\frac{1}{10} \times 3\frac{2}{5} =$	☐ If the product is a mixed number, draw a cat perched on one of the roofs. ☐ If the product is in fourths, draw another tree between two houses.
$3\frac{3}{4} \times 1\frac{1}{4} =$	☐ If the product is a whole number, draw a rake leaning up against the big tree trunk. ☐ If the product is in fifths, draw a ladder and treehouse in the big tree.	$3\frac{5}{11} \times 1\frac{3}{4} =$	☐ If the product is a whole number, draw shutters on one of the houses. ☐ If the product is in twenty-seconds, draw a bike leaning against the house on the left.
$2\frac{1}{4} \times 2\frac{2}{3} =$	☐ If the product is a mixed number, draw a bike leaning up against the house on the left. ☐ If the product is in thirds, draw another street lamp.	$4\frac{4}{7} \times 3\frac{1}{2} =$	☐ If the product is a mixed number, draw a skateboarder on the sidewalk. ☐ If the product is in sevenths, draw a backpack on the ground next to the original basketball player.
$12 \times \frac{2}{3} =$	☐ If the product is a whole number, draw doorknobs on	$16\frac{2}{9} \times 2\frac{1}{4} =$	☐ If the product is a mixed number, draw a dog on the sidewalk. ☐ If the product is in halves,

Neighborhood:

Multiplication of Mixed Fractions

PREVIEW FILE

Dog at the Bridge:

Division of Fractions with unlike denominators

Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____

$\frac{5}{6} \div \frac{1}{3} =$	☐ If the quotient is a mixed number, draw a leash on the dog. ☐ If the quotient is in halves, draw someone chasing the dog.	$\frac{5}{10} \div \frac{1}{4} =$	☐ If the quotient is a whole number, draw three more leaves falling from the big tree. ☐ If the quotient is in fourths, draw another tree.
$\frac{3}{8} \div \frac{2}{4} =$	☐ If the quotient is a whole number, draw a gate on the end of the bridge. ☐ If the quotient is in fourths, draw another dog in front of the original dog.	$\frac{3}{4} \div \frac{4}{6} =$	☐ If the quotient is less than one-half, draw a bird in the big tree. ☐ If the quotient is in fourths, draw a bird's nest in the big tree.
$\frac{2}{10} \div \frac{3}{6} =$	☐ If the quotient is less than one-half, draw someone flying a kite on the grassy area. ☐ If the quotient is in sixths, draw a fish jumping in the water.	$\frac{1}{3} \div \frac{7}{8} =$	☐ If the quotient is a mixed number, draw a squirrel in the big tree. ☐ If the quotient is in sevenths, draw a small toy boat in the creek.
$\frac{5}{7} \div \frac{1}{3} =$	☐ If the quotient is a mixed number, draw a fisherman on the side of the creek. ☐ If the quotient is in sevenths, draw a bicycle on the path.	$\frac{8}{10} \div \frac{2}{9} =$	☐ If the quotient is a whole number, draw a fence beside the path. ☐ If the quotient is in fifths, draw a bench beside the path.

Copyright © 2013 by The McGraw-Hill Companies, Inc.

Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____

$\frac{3}{5} \div \frac{2}{4} =$	☐ If the quotient is a whole number, draw glasses on the girl. ☐ If the quotient is in fifths, draw a kid leaning up against the tree trunk.	$\frac{8}{10} \div \frac{2}{5} =$	☐ If the quotient is a mixed number, draw a kid playing soccer in the field. ☐ If the quotient is in fifths, draw a squirrel in the tree.
$\frac{1}{4} \div \frac{5}{3} =$	☐ If the quotient is in sevenths, draw a kid sitting on the bench. ☐ If the quotient is a mixed number, draw a stack of books by the original girl.	$1\frac{1}{6} \div \frac{2}{3} =$	☐ If the quotient is less than one-half, draw a kid with a kite in the field. ☐ If the quotient is in fifteenths, draw a bird perched on the bench.
$\frac{1}{4} \div \frac{5}{8} =$	☐ If the quotient is less than one-half, draw a book on the bench. ☐ If the quotient is in fourths, draw a kid sitting in the tree, reading a book.	$\frac{3}{10} \div \frac{1}{5} =$	☐ If the quotient is more than one-half, draw a skateboard by the bench. ☐ If the quotient is in sevenths, draw a hat on the original girl.
$\frac{3}{5} \div \frac{4}{7} =$	☐ If the quotient is more than one-half, draw a dog.	$\frac{4}{5} \div \frac{2}{3} =$	☐ If the quotient is a whole number, draw a flag on one of the buildings. ☐ If the quotient is in

Reading at the Park:

Division of Mixed Fractions

Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____

$11\frac{1}{2} \div 3\frac{1}{3} =$	☐ If the quotient is a mixed number, draw a person sitting in the boat. ☐ If the quotient is in thirds, draw another boat in the lake.	$\frac{6}{10} \div 5 =$	☐ If the quotient is a whole number, draw a deer drinking from the lake. ☐ If the quotient is in twenty-fifths, draw an eagle in one of the trees.
$5 \div \frac{4}{9} =$	☐ If the quotient is a whole number, draw a caterpillar on a branch. ☐ If the quotient is in fourths, draw a duck swimming in the lake.	$2\frac{2}{3} \div 7 =$	☐ If the quotient is less than one-half, draw a dog in the original boat. ☐ If the quotient is in thirds, draw a path leading down to the lake.
$1\frac{1}{2} \div 3\frac{1}{3} =$	☐ If the quotient is less than one-half, draw a log in the lake.	$\frac{18}{7} \div 1\frac{1}{2} =$	☐ If the quotient is a mixed number, draw a fishing pole in the original boat. ☐ If the quotient is in sevenths, draw a fish in the lake.

The Lake:

Mixed Division

Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____



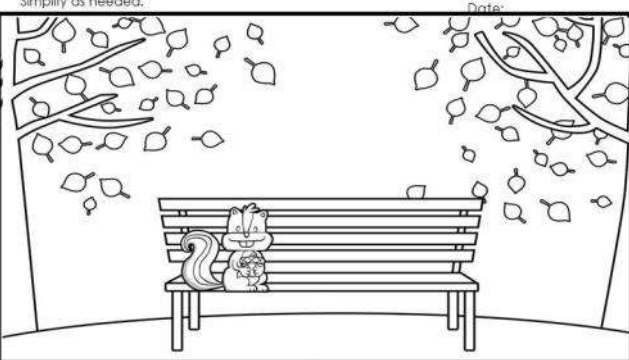
$\frac{14}{5} \div \frac{7}{4} =$	☐ If the quotient is in fifths, draw a tractor by the barn. ☐ If the quotient is less than one-half, draw a door on the small shed that is beside the barn.	$\frac{11}{12} \div 8\frac{1}{4} =$	☐ If the quotient is in ninths, draw a pumpkin under the big tree. ☐ If the quotient is more than one-half, draw a row of crops planted in the field.
$\frac{6}{5} \times \frac{10}{2} =$	☐ If the product is in halves, draw another tree in the background. ☐ If the product is a whole number, draw a cow by the barn.	$2\frac{4}{5} \times 3 =$	☐ If the product is in tenths, draw a fence along the field. ☐ If the product is a mixed number, draw a goat eating the leaves under the big tree.
$3\frac{1}{6} \div 4\frac{1}{4} =$	☐ If the quotient is in fourths, draw a farmer by the barn. ☐ If the quotient is more than one-half, draw four apples on the ground under the big tree.	$10 \div 1\frac{3}{4} =$	☐ If the quotient is in fourths, draw another window on the small shed by the barn. ☐ If the quotient is less than one-half, make it rain.
$3\frac{3}{4} \times 9\frac{8}{9} =$	☐ If the product is in fifths, draw four more leaves falling off the big tree. ☐ If the product is a mixed number, draw a scarecrow in the field.	$8\frac{6}{7} \times 3\frac{1}{2} \times 1\frac{1}{2} =$	☐ If the product is in halves, draw a cat climbing the big tree. ☐ If the product is a whole number, draw a chicken on the shed roof.

Adapted from © 2010 by K. L. Goss

Barn: Mixed Multiplication & Division

Solve the problems and add to the drawing. Simplify as needed.

Name: _____ Date: _____



$\frac{3}{9} \times \frac{7}{10} = \frac{7}{30}$	☒ If the product is in ninths, draw another squirrel on the bench. ☒ If the product is less than one-half, draw 3 acorns on the bench.	$\frac{3}{5} \times \frac{7}{9} = \frac{7}{15}$	☒ If the product is in fifths, draw a hat on the squirrel. ☒ If the product is less than one-half, draw a caterpillar on one of the tree branches.
$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$	☒ If the product is in sixths, draw four acorns on each tree. ☒ If the product is more than one-half, draw six more leaves falling off one of the trees.	$\frac{2}{5} \times \frac{3}{8} = \frac{3}{20}$	☒ If the product is in eighths, draw a pumpkin on the ground beside the bench. ☒ If the product is more than one-half, draw a worm peeking out of the ground.
$\frac{7}{8} \times \frac{6}{14} = \frac{3}{8}$	☒ If the product is less than one-half, draw a squirrel up on one of the tree branches. ☒ If the product is in fourths, draw a bird in the sky.	$\frac{9}{10} \times \frac{1}{3} = \frac{3}{10}$	☒ If the product is in tenths, draw another tree behind the bench. ☒ If the product is less than one-half, draw a swing on the tree.

Answers:
1. less than one-half
2. a feeder

Answer keys
included for each
page

Name: _____ Date: _____

Challenge Page

Challenge #1:

Choose a drawing prompt from the page that was not correct. Create a fraction equation that fits the prompt, and add the drawing to the original page.

Example:

Original Equation	Drawing Prompts	New Equation
$\frac{3}{9} \times \frac{7}{10} = \frac{7}{30}$	☒ If the product is in ninths, draw another squirrel on the bench. ☒ If the product is less than one-half, draw 3 acorns on the bench.	$\frac{3}{9} \times \frac{2}{3} = \frac{2}{9}$

Challenge #1 Workspace:

Challenge #2:

Create a new fraction equation and write two new drawing prompts. One must be correct, the second is your choice to make correct or incorrect.

New Equation	Drawing Prompts

Challenge Page:
Extend learning or
use with Early
Finishers

Thank you for previewing!

Please contact me at activatededucation@gmail.com or via my store Q&A you have any questions, concerns, or feedback.
Thank you!



Click for my
TpT Store!



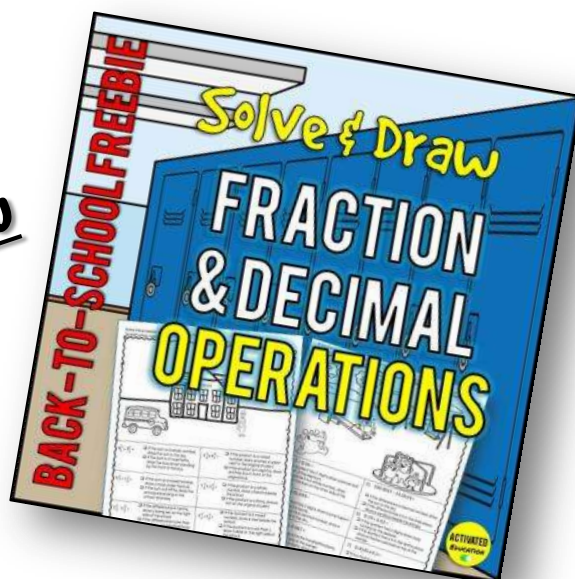
Click for my
Pinterest boards!



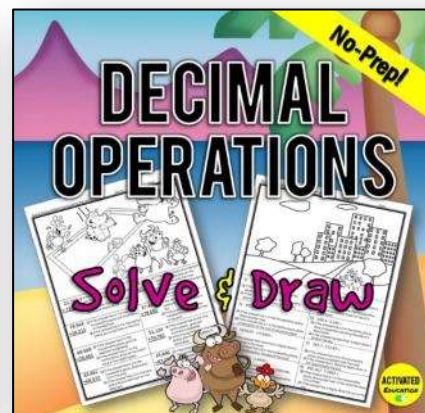
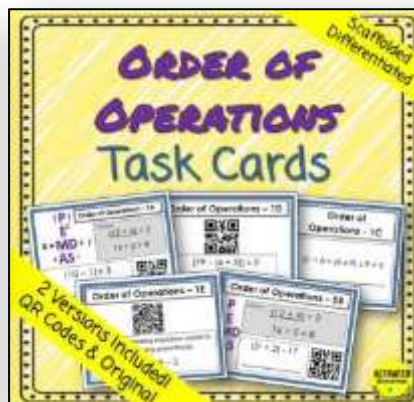
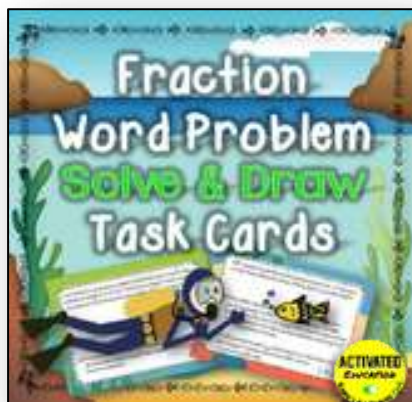
Connect with me
on Instagram!



Get a free sample of my
Fraction & Decimal
operation Solve & Draw
activities here:



Other engaging products you may be interested in:



Graphics
Credited
To:



Additional graphics
by Openclipart.org