THIRD GRADE
Hands-On Math BOOKLETS
3.NF.1
Do you have a hard time squeezing in everything that you want to teach? I know I do! That’s why I’ve created these Common Core math booklets, which will help me introduce concepts to my students through a combination of hands-on activities and skills practice. These booklets would make a great follow up activity to an interactive notebook entry! This packet contains 9 station activities that can all be used to teach 3.NF.1. There are four hands-on stations and five skill building activities.

There is no right or wrong way to use these booklets with your students! My favorite way to use them was to give every student a booklet and set up stations around the classroom. Since the odd numbered stations don’t need any materials, I just designated an area for those stations. Then, I laid the needed materials at all of the even number stations. I gave my students about one hour to work their way through all nine of the stations. They were allowed to work at their own pace, but I did monitor my students’ progress to make sure everyone was on track to complete all of the activities in a timely manner. I did have a rule that there could be no more than four people at a station at a time.

Other Options

- Add the booklets to your math centers. You could use all of the activities or just the hands-on activities to your centers.
- Use the booklets for part of your RTI instruction or guided math groups.
- Only do the hands-on activities in class and save the skill building sheets for weekly homework.
- Use the books for your early finishers.
Purchasing the Booklets

• I have created a booklet for all of the Common Core math standards. They can be individually purchased here.
• For almost a 50% discount, I have grouped the booklets together for a bundle of ALL of the Common Core math standards, which can be found here.

Making the Booklets

Print the booklet pages you need. Be sure to collate multiple copies.

Stack all of the pages of the booklet together and cut in half.

Place the left section on top of the right section and staple.

Materials Needed For Each Station

• Station 1-none
• Station 2-Legos
• Station 3-none
• Station 4-Individually packed M&Ms
• Station 5-none
• Station 6-Play Dough
• Station 7-none
• Station 8-Colored strips of paper (template included)
• Station 9-none
Fraction Stations

By: ______________________

3.NF.1

Representing Fractions

Circle Model

Rectangle Model

Fractions in a Set

\( \frac{2}{3} \)

Written Form

Station 5
Use Play Dough to make four circles. To make the circle, flatten out the dough and cut out a circle with the Play Dough lid. Then, use a Play Dough knife to partition each circle into an equal number of pieces.

- Circle 1 - two pieces
- Circle 2 - three pieces
- Circle 3 - four pieces
- Circle 4 - six pieces

Use the space below to describe what happens to the size of the piece as the denominator increases. Be sure to explain why this happens.
**Fraction Legos**

Build six different fractions with Legos. Then, draw a picture of and label each of the fractions.

<table>
<thead>
<tr>
<th>Fraction 1</th>
<th>Fraction 2</th>
<th>Fraction 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fraction 4</th>
<th>Fraction 5</th>
<th>Fraction 6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Station 2**

**Fraction Vocabulary**

What is the top number called and what does it mean?

\[ \frac{1}{4} \]

What is the bottom number called and what does it mean?

**Station 7**
Drawing Fractions

Draw the fractions listed in the table below.

<table>
<thead>
<tr>
<th>Fraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>one-half</td>
</tr>
<tr>
<td>two-thirds</td>
</tr>
<tr>
<td>three-fourths</td>
</tr>
<tr>
<td>four-fifths</td>
</tr>
<tr>
<td>two-sixths</td>
</tr>
<tr>
<td>three-eighths</td>
</tr>
<tr>
<td>two-halves</td>
</tr>
<tr>
<td>one-third</td>
</tr>
<tr>
<td>two-fifths</td>
</tr>
</tbody>
</table>

Fraction Strips

Use multi-colored strips of paper to create fraction strips that show halves, thirds, fourths, fifths, sixths, and eighths. After you make your fraction strips draw a picture of the strips in the space below.

Station 3

Station 8
M&M Fractions
Open your bag of M&Ms and find the fractional part of each color M&M.

<table>
<thead>
<tr>
<th>Color of M&amp;M</th>
<th>Fractional Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td>Brown</td>
<td></td>
</tr>
</tbody>
</table>

Jelly Bean Fractions
Fill in the candy jar! Add jelly beans to the jar to show the fractions below.

- Orange: $\frac{4}{12}$
- Red: $\frac{2}{12}$
- Green: $\frac{4}{12}$
- Blue: $\frac{2}{12}$
Station 1
- 1/3
- 3/4
- 2/5
- 1/4
- 12/16
- 3/6 or 1/2

Station 3
Answers will vary depending on the type of fraction students choose to draw.

Station 5
Two-thirds

Station 7
Numerator-how many pieces are being counted or identified
Denominator-the total number of pieces in a whole

Station 9
See student booklet
Thank You!

Thank you so much for your purchase. I hope that you are 100% thrilled with this product! If you have any questions or concerns, feel free to email me at ashleigh_60@hotmail.com. I will respond asap. If you like this product, you may want to check out some of the other items in my TpT store, where I have many other products including complete units, task cards, and more! You can also visit my blog ashleigh-educationjourney for lots of ideas, pictures, and freebies.

http://www.teacherspayteachers.com/Store/Ashleigh
http://ashleigh-educationjourney.com/