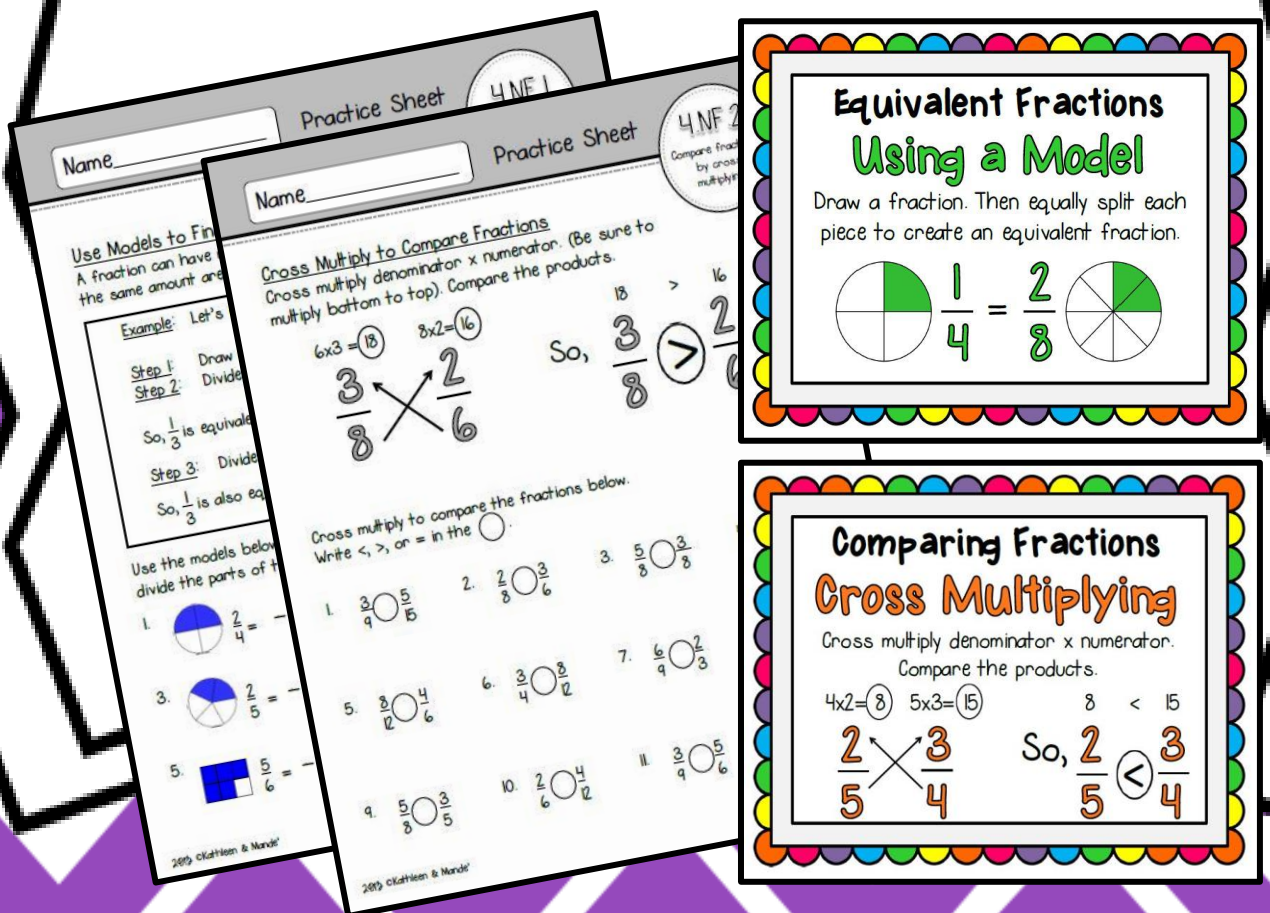
4.NF.1 & 4.NF.2

Equivalent Fractions & Comparing Fractions

2 Worksheets & 2 Mini Posters

By: Kathleen & Mande'

Samples from our 4.NF.1 & 4.NF.2 Practice Packet & Poster Set



Name_____ Practice Sheet

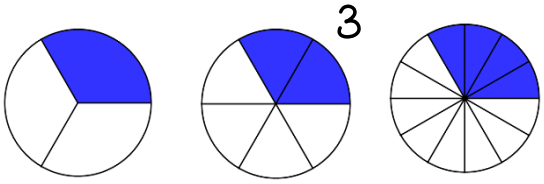
4.NF.1
Use models to show equivalent fractions

Use Models to Find Equivalent Fractions

A fraction can have many different names. Fractions that name the same amount are called equivalent fractions.

Example: Let's find some fractions that are equivalent to $\frac{1}{3}$.

Step 1: Draw a model to represent $\frac{1}{3}$.
Step 2: Divide each half in half.



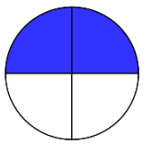
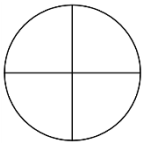
Step 1 Step 2 Step 3

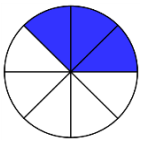
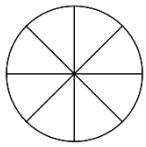
So, $\frac{1}{3}$ is equivalent to $\frac{2}{6}$. Both fractions name the same amount.

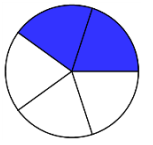
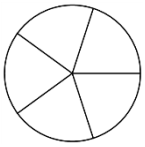
Step 3: Divide each part from Step 2 in half again.

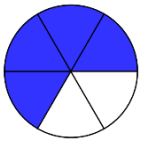
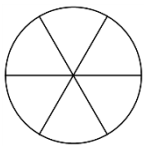
So, $\frac{1}{3}$ is also equivalent to $\frac{4}{12}$, and $\frac{2}{6}$ is equivalent to $\frac{4}{12}$.

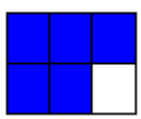
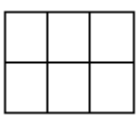
Use the models below to write an equivalent fraction. You will need to divide the parts of the second model to make an equivalent fraction.

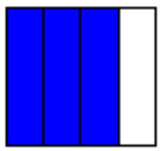
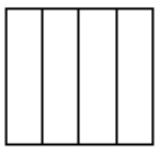
1.  $\frac{2}{4} = \frac{\quad}{\quad}$ 

2.  $\frac{3}{8} = \frac{\quad}{\quad}$ 

3.  $\frac{2}{5} = \frac{\quad}{\quad}$ 

4.  $\frac{4}{6} = \frac{\quad}{\quad}$ 

5.  $\frac{5}{6} = \frac{\quad}{\quad}$ 

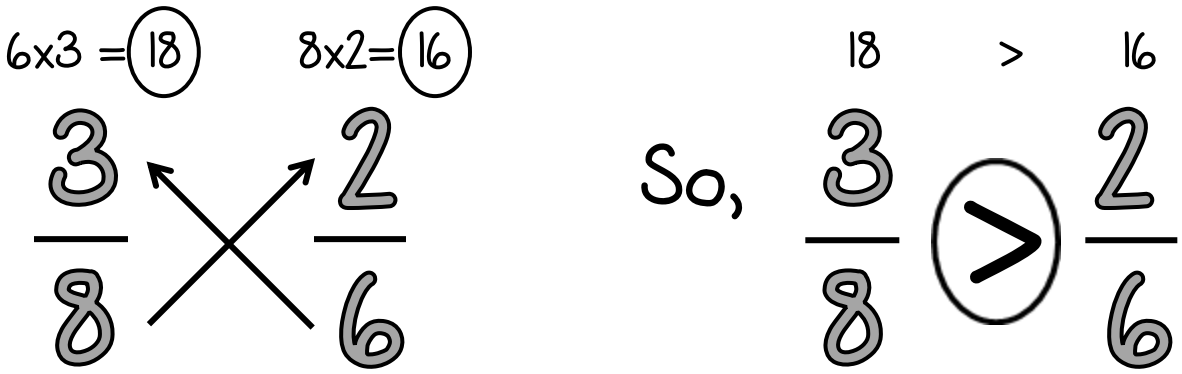
6.  $\frac{3}{4} = \frac{\quad}{\quad}$ 

Name_____ Practice Sheet

4.NF.2
Compare fractions by cross multiplying

Cross Multiply to Compare Fractions

Cross multiply denominator x numerator. (Be sure to multiply bottom to top). Compare the products.



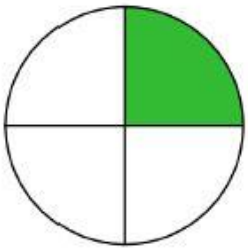
Cross multiply to compare the fractions below.
Write <, >, or = in the ◯.

1. $\frac{3}{9} \bigcirc \frac{5}{15}$
2. $\frac{2}{8} \bigcirc \frac{3}{6}$
3. $\frac{5}{8} \bigcirc \frac{3}{8}$
4. $\frac{2}{6} \bigcirc \frac{2}{4}$
5. $\frac{8}{12} \bigcirc \frac{4}{6}$
6. $\frac{3}{4} \bigcirc \frac{8}{12}$
7. $\frac{6}{9} \bigcirc \frac{2}{3}$
8. $\frac{1}{5} \bigcirc \frac{6}{10}$
9. $\frac{5}{8} \bigcirc \frac{3}{5}$
10. $\frac{2}{6} \bigcirc \frac{4}{12}$
11. $\frac{3}{9} \bigcirc \frac{5}{6}$
12. $\frac{1}{4} \bigcirc \frac{8}{12}$

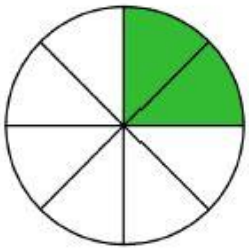
Equivalent Fractions

Using a Model

Draw a fraction. Then equally split each piece to create an equivalent fraction.



$$\frac{1}{4} = \frac{2}{8}$$



Comparing Fractions

Cross Multiplying

Cross multiply denominator x numerator. Compare the products.

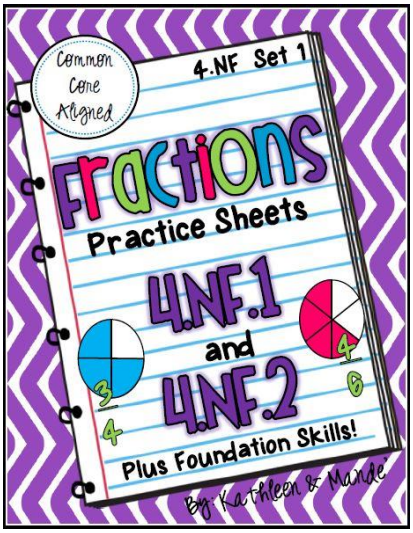
$4 \times 2 = (8)$ $5 \times 3 = (15)$

$$\frac{2}{5} \times \frac{3}{4}$$

$8 < 15$

So, $\frac{2}{5} (<) \frac{3}{4}$

If you enjoyed the math practice sheets above, check out our store for our complete 4.NF.1 & 4.NF.2 Practice Packet. ☺

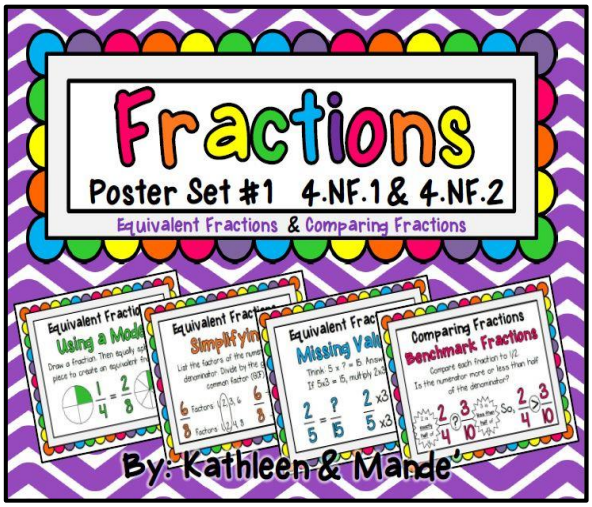


The pages above are included in this packet (different practice problems of course!), as well as 22 additional pages including foundation skills, equivalent fractions (multiplying, models, missing values, simplifying, identifying equivalent pairs) and comparing fractions (models, benchmark fractions, common denominators, cross multiplying, and ordering 3 fractions). Enjoy!

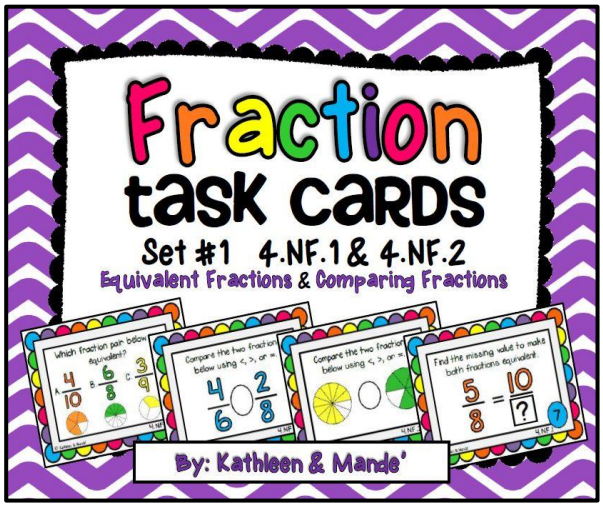
☺ Kathleen & Mande'

Also available for 4.NF.1 and 4.NF.2:

Poster Set (12 Posters)



Task Card Set (32 cards)



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