




Classwork 3/20/2020


Fractions on the Place value chart

Today you will work on this presentation and you will also finish your math drills.



 Good morning and hello Fourth Graders from Mrs. Cronin!
Today is Friday 3/20/2020

 Where To Find Your Work: Please go to my Weebly site <https://lynncronin.weebly.com/> and download the lesson marked 3-20-2020 Grade 4 Adding Fractions 3 it will continue the lesson from yesterday. When you are done please work on your math drills (+/-/x)

 Learning Objectives:
Math: When you finish this lesson you will have a better understanding about how fractions and decimals connect to one another and about how tiny those little numbers actually are.

 Learning Activities:
Math: Please work through the PowerPoint and answer the questions that are asked of you. Finish by completing your drills (+/-/x)

 How I will see/check your work: Email me please!

 How We Communicate: email lcronin@wtps.org



Yesterday we worked on some fractions – today we will work with those fractions again and we will add decimals (I know – uuggg!)

Yesterday we worked with a box of chocolates.

We figured out that there
were 20 candies.

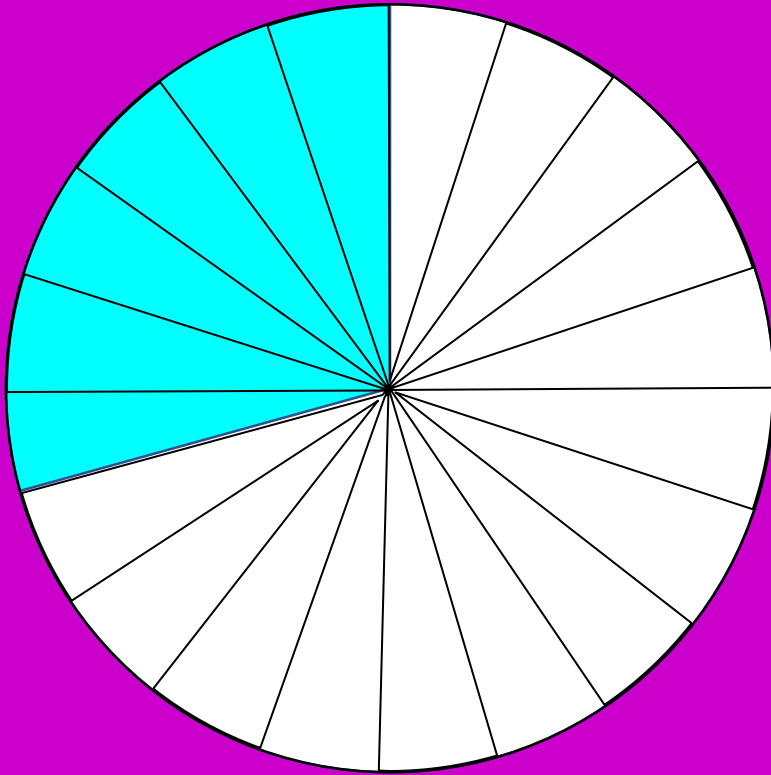
- 3 caramels
- 4 pralines
- 7 are nuts
- 6 creams

When we add
them up they add
up to the whole set
of 20.

$$3+4+7+6 = 20$$



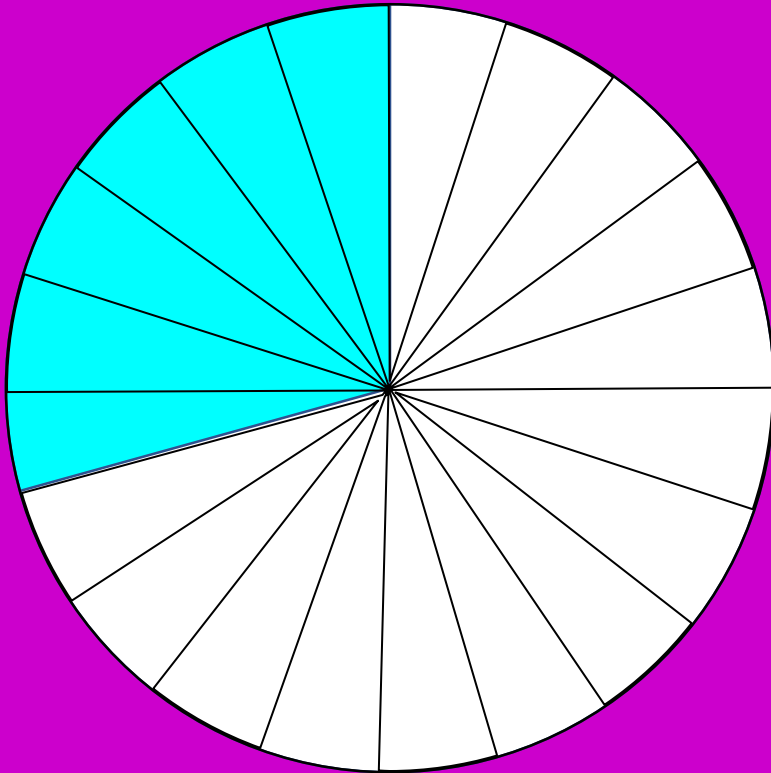
One whole box of chocolates has 20 pieces in it.



The six cream candies would look like this on a circle. They represent 6 out of 20 pieces of candy.



One whole box of chocolates has 20 pieces in it.



So the box is
equal to
one whole
If we add all of
the fractions we
should end up
with 1
(as in one whole)



Please add these fractions
together and see what you get



caramels pralines nuts creams

$$\frac{3}{20} + \frac{4}{20} + \frac{7}{20} + \frac{6}{20}$$

Please add these fractions
together and see what you get



$$\begin{array}{ccccccc} \text{caramels} & \text{pralines} & \text{nuts} & \text{creams} & & & \\ \frac{3}{20} & + & \frac{4}{20} & + & \frac{7}{20} & + & \frac{6}{20} = \frac{20}{20} \end{array}$$

But does that equal one?
Use your calculator!

Use your calculator to calculate the decimal equivalent for each fraction



$$\begin{array}{ccccccc} \text{caramels} & \text{pralines} & \text{nuts} & \text{creams} & & & \\ \frac{3}{20} & + & \frac{4}{20} & + & \frac{7}{20} & + & \frac{6}{20} = \frac{20}{20} \end{array}$$

Use your calculator to calculate the decimal equivalent for each fraction



| caramels | | pralines | | nuts | | creams | | |
|----------------|---|----------------|---|----------------|---|----------------|---|-----------------|
| $\frac{3}{20}$ | + | $\frac{4}{20}$ | + | $\frac{7}{20}$ | + | $\frac{6}{20}$ | = | $\frac{20}{20}$ |
| .15 | | .2 | | .35 | | .3 | | 1 |

Oh No! We have to make all of those into two decimal places – cause she makes us do that!



| caramels | | pralines | | nuts | | creams | | |
|----------------|---|----------------|---|----------------|---|----------------|---|-----------------|
| $\frac{3}{20}$ | + | $\frac{4}{20}$ | + | $\frac{7}{20}$ | + | $\frac{6}{20}$ | = | $\frac{20}{20}$ |
| .15 | | .2 | | .35 | | .3 | | 1 |

So... back to the very beginning.
Add all the decimals up. **(NO CALCULATOR!)**



| caramels | pralines | nuts | creams | |
|----------------|----------------|----------------|----------------|-------------------|
| $\frac{3}{20}$ | $\frac{4}{20}$ | $\frac{7}{20}$ | $\frac{6}{20}$ | $= \frac{20}{20}$ |
| .15 | .20 | .35 | .30 | 1.00 |

Did you notice that 1 is now 1.00?

Add all the decimals up.
Not the one – just the decimals!
(NO CALCULATOR!)



$$\begin{array}{r} 0.15 \\ 0.20 \\ 0.35 \\ + 0.30 \\ \hline \end{array}$$

Add all the decimals up.
Not the one – just the decimals!
(NO CALCULATOR!)



$$\begin{array}{r} 1 \\ 0.15 \\ 0.20 \\ 0.35 \\ + 0.30 \\ \hline 1.00 \end{array}$$

If you have never added decimals before: the dot just gets written in the same column on the answer. The one that you carried just adds down.

Look at that – the decimals added up to 1
and the fractions also added up to 1!



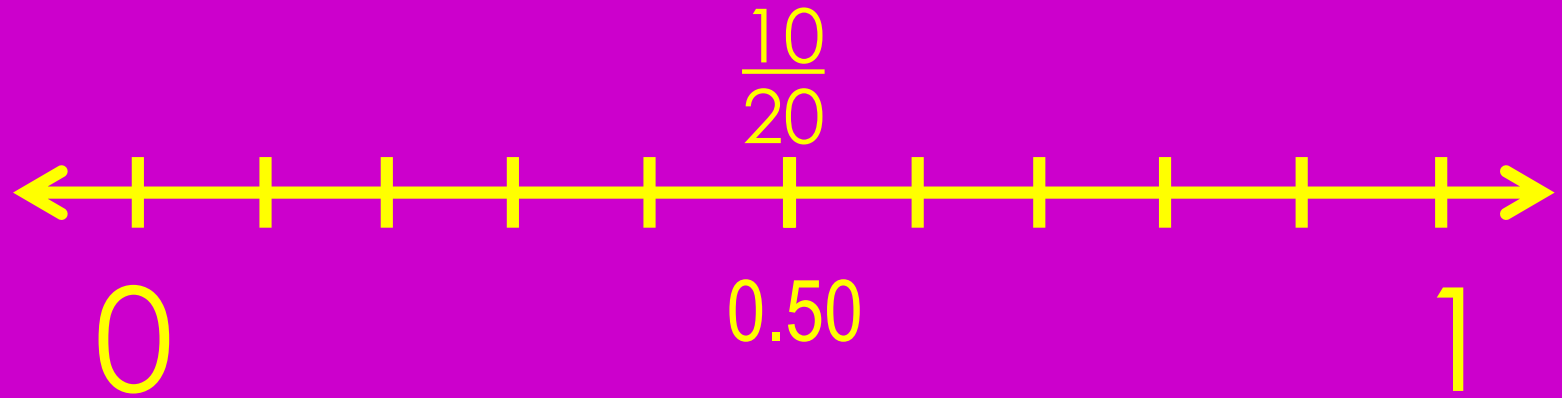
$$\begin{array}{r} 1 \\ 0.15 \\ 0.20 \\ 0.35 \\ + 0.30 \\ \hline 1.00 \end{array}$$

$$\begin{array}{ccccccc} \text{caramels} & \text{pralines} & \text{nuts} & \text{creams} & & & \\ \frac{3}{20} & + & \frac{4}{20} & + & \frac{7}{20} & + & \frac{6}{20} = \frac{20}{20} \end{array}$$

Now, let's put the decimals and the fractions onto the number line!



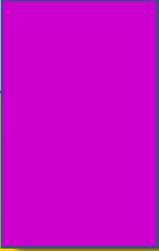
Draw the number line on a piece of paper.



That's enough for one day!



**Please take a picture of your
number line and send it to me.
We will learn more about this on
Monday and we will have
practice problems then too!**



Please complete a full set of Math Drills and send me your numbers along with your drawing of the number line.



If you have any problems
please email me at
lcronin@wtps.org