Classwork 3/19/2020

Fractions on the Place value chart

Today you will work on this presentation and you will also spend 10 minutes on First in Math.

Good morning and hello Fourth Graders from Mrs. Cronin!
Today's Date is: 3/19/2020

Where To Find Your Work: Please go to my Weebly site https://lynncronin.weebly.com/ and download the lesson marked
3-19-2020 Grade 4 Adding Fractions it will continue the lesson from yesterday. When you are done, please complete Home Link 5.3
Remember that you will know it is your work because the background will be yellow, just like your folders.
I will again try to post this page on OneNote, but if you look in my Weebly each day you will have everything that you need.
If you have any problems at all, please email me! lcronin@wtps.org

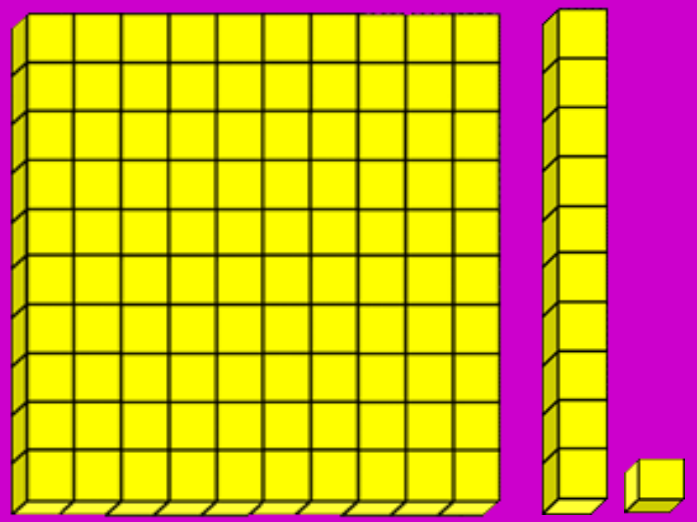
Learning Objectives:
Math: By the time we are done with this lesson you will remember what decimals and fractions look like in blocks and you will be able to add fractions with like denominators.

Learning Activities:
Math: Please work through the PowerPoint and answer the questions that are asked of you. Finish by completing Home Link 5.3
How I will see/check your work: Email me please

How We Communicate: email lcronin@wtps.org

So… lets look at the place value chart and think about what decimals (and fractions) really look like!

If these are our ones, tens and hundreds, what does a tenth look like?



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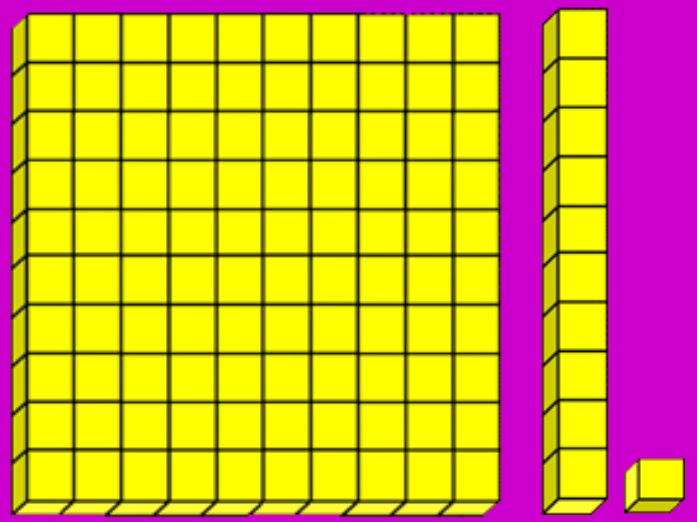
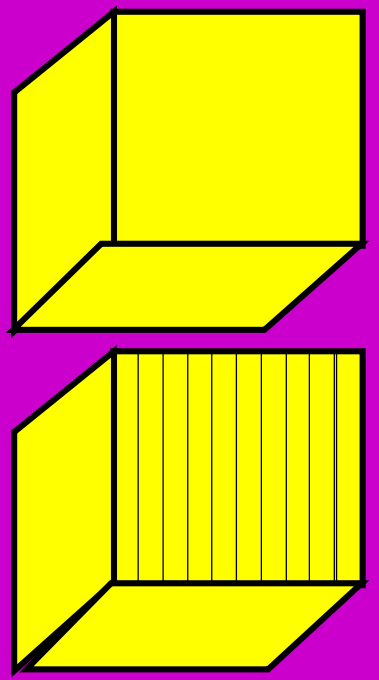
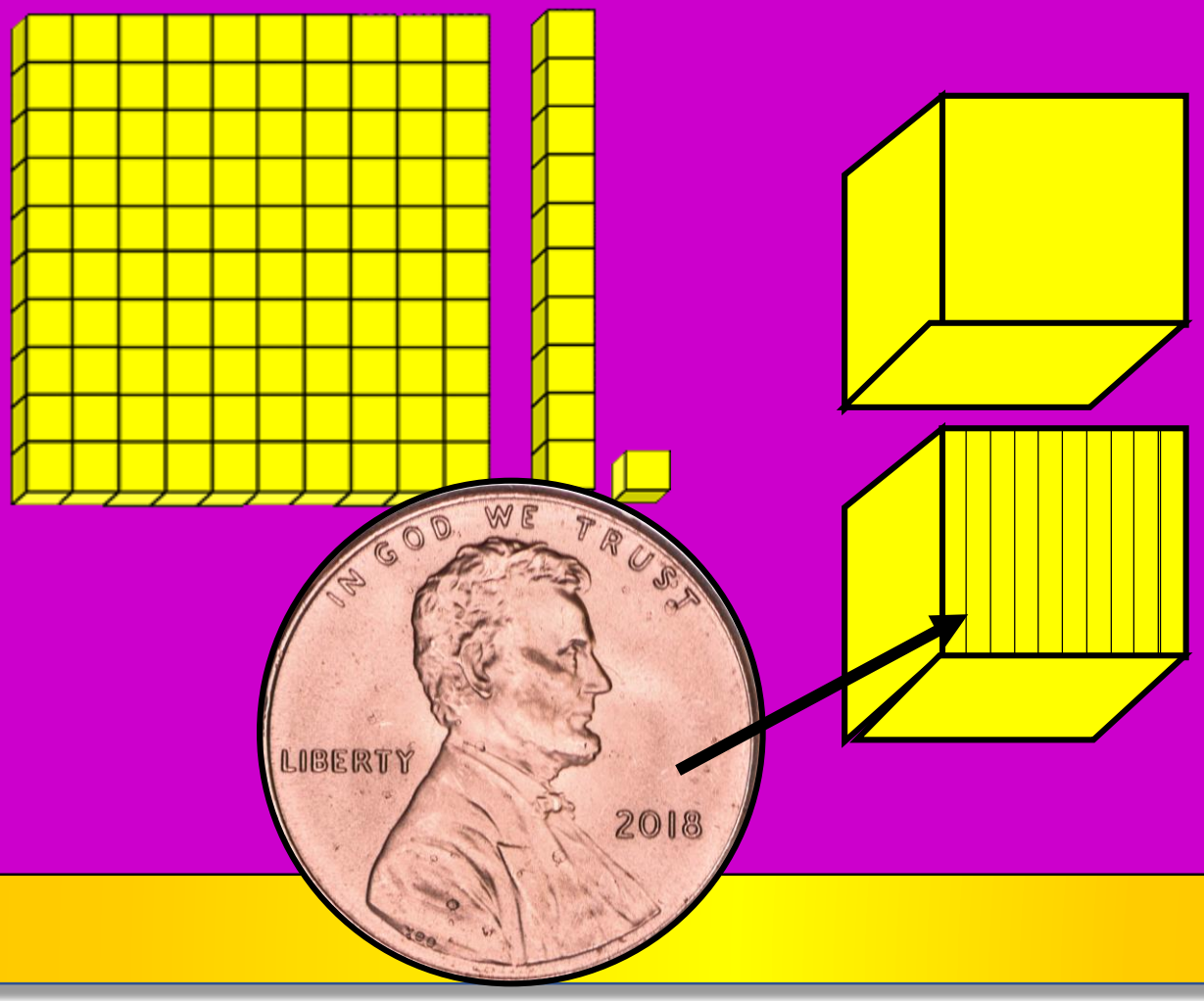




Well – a tenth is one tenth of a cube – think about how small it is if you cut one of these cubes into ten pieces!

And a hundredth means cut a tiny cube into 100 pieces.

A penny never seemed so small!



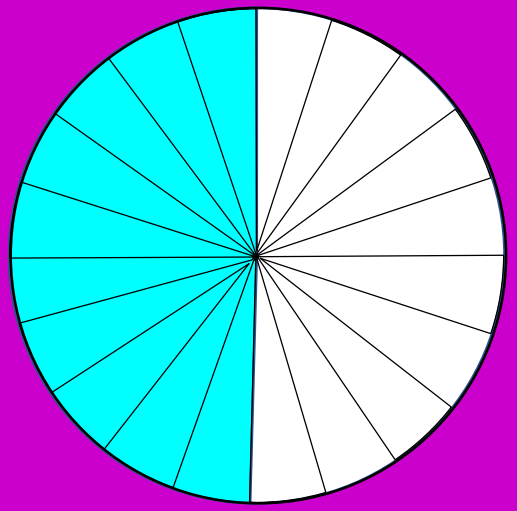
The point of all this is to show you just how seriously tiny the decimals actually are.

And yet – we use them every day – as pennies!

A single slice of a cube is worth one cent!

Think about that as we flip back to fractions

This circle is divided into 20 pieces.
What fraction is shaded in blue?



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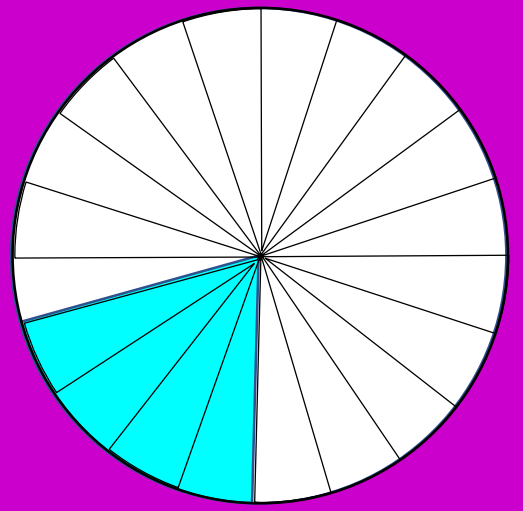

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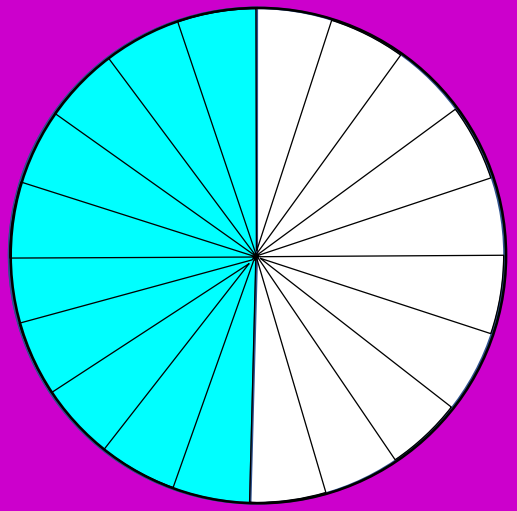

$\frac{10}{20}$

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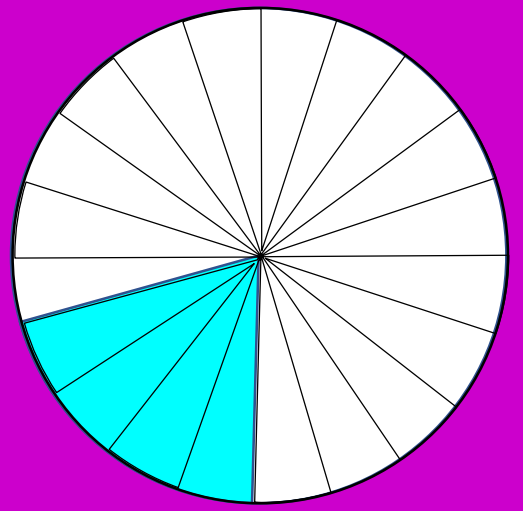
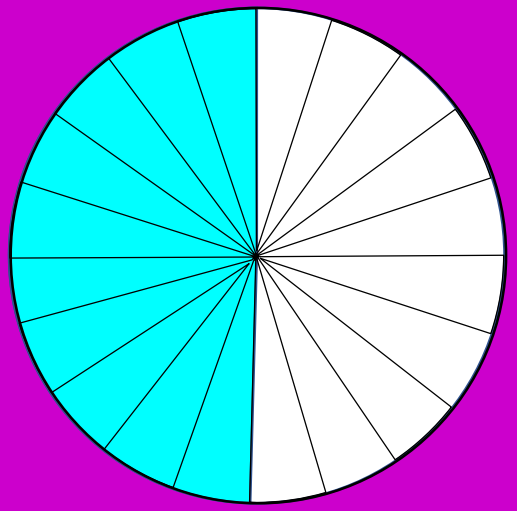


$\frac{4}{20}$

Add them together!

This circle is divided into 20 pieces.
What fraction is shaded in blue?



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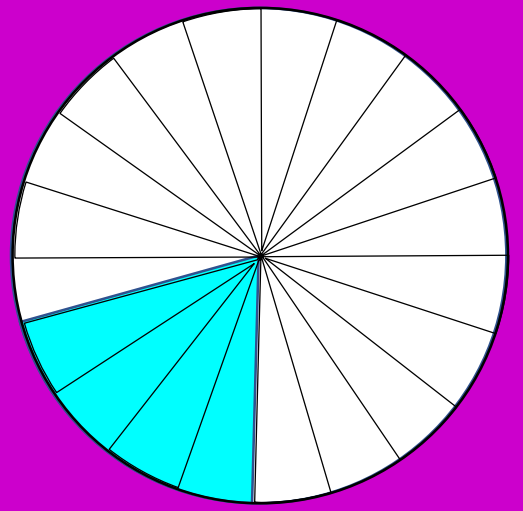

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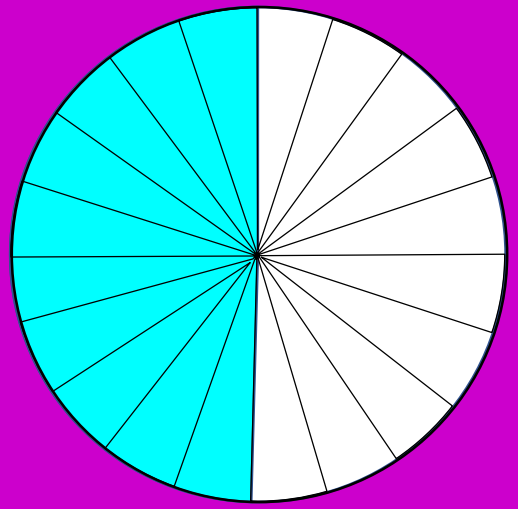

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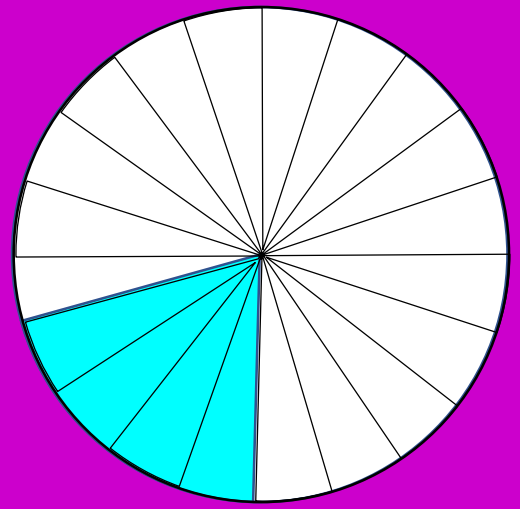
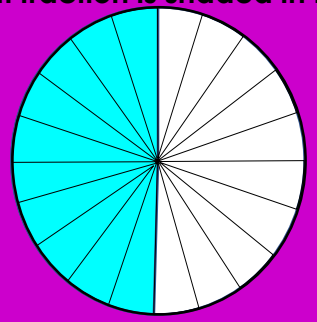


$$\frac{10}{20} + \frac{4}{20} = \frac{14}{20}$$

Did you get that?

In order to add fractions the denominator has to be the same.

This circle is divided into 20 pieces.
What fraction is shaded in blue?



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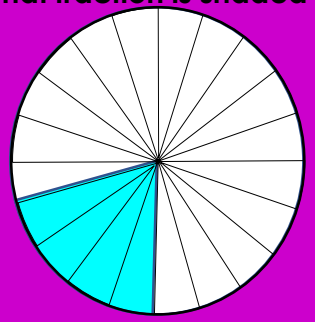

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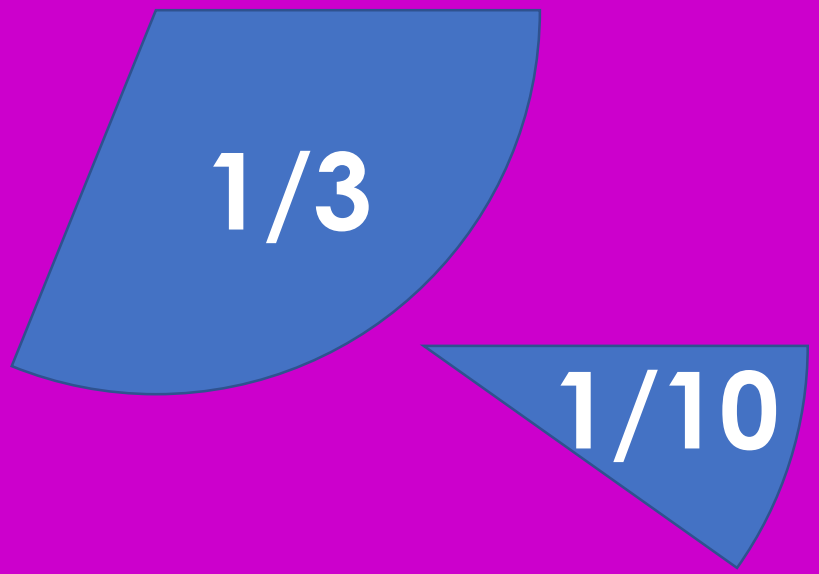
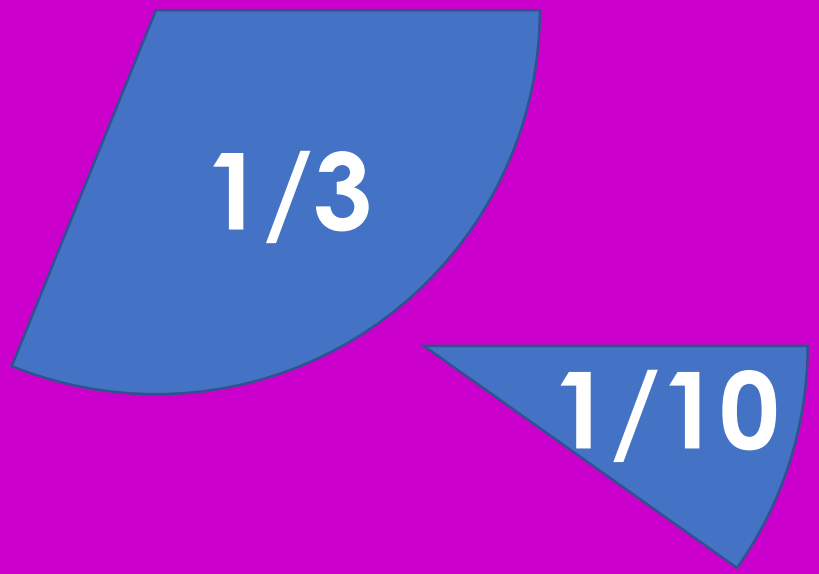
If they are not then you are adding pieces that are not alike

In order to add fractions the denominator has to be the same.



For example:
You cannot add these two fractional shapes because they are not the same.

In order to add fractions the denominator has to be the same.



For example:
You cannot add these two fractional shapes because they are not the same.

Read these word problems and answer the fraction addition problems.

I just got a huge box of chocolates!
The box contains chocolate with caramels, pralines and nuts.

The box contains 20 candies and 3 are caramels, 4 are pralines, 7 are nuts.

What fraction are caramels?
What fraction are pralines
What fraction are nuts?

Does anyone know what a praline is?

Think about the denominator!
How many pieces is the whole box broken into?

The box contains 20 candies and 3 are caramels, 4 are pralines, 7 are nuts.

What fraction are caramels?
What fraction are pralines
What fraction are nuts?

caramels pralines nuts

So what is my denominator?

Think about the denominator!
How many pieces is the whole box broken into?

The box contains 20 candies and 3 are caramels, 4 are pralines, 7 are nuts.

What fraction are caramels?
What fraction are pralines
What fraction are nuts?

caramels pralines nuts

Brilliant!
The box is broken into 20 pieces.
That's your denominator (down) part of the fraction

Write down the fractions for each type of candy.

The box contains 20 candies and 3 are caramels, 4 are pralines, 7 are nuts.

What fraction are caramels?
What fraction are pralines
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caramels pralines nuts

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What fraction are nuts?

caramels	pralines	nuts
$\frac{3}{20}$	$\frac{4}{20}$	$\frac{7}{20}$

What fraction of the whole box is either a caramel or a nut?

The box contains 20 candies and 3 are caramels, 4 are pralines, 7 are nuts.

What fraction are caramels?
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caramels	pralines	nuts
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caramels pralines nuts

$$\frac{4}{20}$$

$$\frac{3}{20} + \frac{7}{20} = \frac{10}{20}$$

What fraction of the whole box is either a caran… a nut?

The box con…
and 3 are ca…
pralines, 7 ar…

What fraction …
What fraction …
What fraction …

Wait! I just re-read the box – there are also cream filled chocolates in this box!

pralines nuts

$$\frac{4}{20}$$

$$\frac{3}{20} + \frac{7}{20} = \frac{10}{20}$$

What fraction of the whole box is either a cara… a nut?

The box con… pralines nuts
and 3 are ca…
pralines, 7 ar…

What fraction …
What fraction …
What fraction …

How many of the candies are cream filled?

$$\frac{4}{20}$$

$$\frac{3}{20} + \frac{7}{20} = \frac{10}{20}$$

How many of these candies are cream filled?

The box contains 20 candies and 3 are caramels, 4 are pralines, 7 are nuts.

What fraction are caramels?
What fraction are pralines
What fraction are nuts?

caramels	pralines	nuts
$\frac{3}{20}$	$\frac{4}{20}$	$\frac{7}{20}$

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What fraction are pralines
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caramels	pralines	nuts
$\frac{3}{20}$	$\frac{4}{20}$	$\frac{7}{20}$

$$\frac{3}{20} + \frac{4}{20} + \frac{7}{20} = \frac{14}{20}$$

What fraction of the whole box is either a caramel or a nut?

The box cont
and 3 are ca
pralines, 7 ar

What fraction
What fraction
What fraction

If we already have 14 out of 20 How many are left?

pralines $\frac{4}{20}$

nuts $\frac{7}{20}$

$$\frac{3}{20} + \frac{4}{20} + \frac{7}{20} = \frac{14}{20}$$

What fraction of the whole box is either a caramel or a nut?

The box cont
and 3 are ca
pralines, 7 ar

What fraction
What fraction
What fraction

Did you get it?
If we have 14 – there are 6 left.

pralines $\frac{4}{20}$

nuts $\frac{7}{20}$

$$\frac{3}{20} + \frac{4}{20} + \frac{7}{20} = \frac{14}{20}$$

What fraction of the whole box is either a caramel or a nut?

The box cont
and 3 are ca
pralines, 7 ar

What fraction
What fraction
What fraction are nuts?

So the box contains
3 caramel, 4 praline,
7 nut and 6 creams.

pralines nuts

$\frac{4}{20}$ $\frac{7}{20}$

$\frac{3}{20} + \frac{4}{20} + \frac{7}{20} = \frac{14}{20}$

Please complete
Home Link 5.3 in your book.

If you have a phone, send
me a picture of the work.
If not send me an email with the answers.

Tomorrow we will look at fractions/decimals as they work in this system.

Please complete 10 minutes of First in Math!