## Use with Ready Instruction Lesson 20 Measurement SOS

## Dear Family,

This week your child is learning to read a clock to tell time to the nearest minute.



often see analog clocks, reading the hour can be hour on this clock is 3. (For children who don't has gone past the 3 and isn't to the 4 yet, the They find the hour first: Because the short hand the small marks that each show 1 minute.

minutes. This year they are learning to pay attention to and interpret

number to the next. They have learned that the long hand shows the hour, and that it takes 1 hour for the short hand to move from one Children have learned that the short hand on a clock face shows the

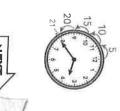


before the minute hand (7). The number 7 marks 35 minutes past the and count by 5s for each number (1, 2, 3, etc.) up to the number just location of the minute hand, to get to 39. The time is 3:39. hour. Then they count the 4 small marks past the 7 to the exact Then, to find the minutes past the hour, they learn to start at the 12

space between each number is 5 minutes) and then add 4. practice using multiplication facts. They multiply 7 by 5 (because the Instead of counting by 5s to find the minutes, children can also

learning to count backward from the 12, first by minutes it is until the next hour. Your child is Sometimes it's more helpful to know how many fives and then by ones to read the time on this clock at 21 minutes before 4 o'clock.

Invite your child to share what he or she knows



following activity together. about telling time to the minute by doing the

Use with Ready Instruction Lesson 21

Dear Family,

word problems involving elapsed time. This week your child is learning to solve



time and an ending time Elapsed time is the amount of time that has passed between a starting

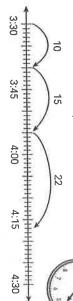
elapsed time and the starting time, and are asked to find the ending time. Your child might see a problem like this one, where you know the

math, 15 minutes on reading, and 22 minutes on science. What Paul started his homework at 3:30. He spent 10 minutes on time was it after he did those three parts of his homework?

then 15 minutes for reading, and then 22 minutes for as it moves through the 10 minutes he spent on math, 3:30. The arrows show the movement of the minute hand The first clock shows the time Paul started his homework

Paul finished his homework at 4:17. Since it moved past the 12, the hour changed from 3 to 4. The minute hand ends up at 17 minutes past the hour.

A number line is another way to show this.



Where the last jump ends is the ending time, or the time that many minutes it took Paul to do the three parts of his homework Paul finished his homework. Starting at 3:30, the three jumps along the number line show how

following activity together. solving problems involving elapsed time by doing the Invite your child to share what he or she knows about



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## Dear Family,

measuring liquid volume using liters and This week your child is learning about milliliters.



Liquid volume is the amount of space a liquid takes up.

A liter is about the same amount as a quart.







the amount of milk in 4 small milk cartons in a large water bottle the amount of water

the amount of milk in  $\frac{1}{4}$  of a gallon

A milliliter is much smaller than a liter. There are 1,000 milliliters in 1 liter.

1,000 milliliters







eyedropper

the amount of

water in a 1-liter water bottle multiplication, and division to solve word Your child will use addition, subtraction,

For example, the dotted lines on this water jug problems related to liquid volume.

+2 liters

4 sections, so the container holds a total of 8 liters. show sections that each hold 2 liters. There are

Invite your child to share what he or she knows about measuring liquid in liters and milliliters by doing the

following activity together.

1 liter+

NEXT

Use with Ready Instruction Lesson 23

## Dear Family,

measuring the mass of objects using units This week your child is learning about of grams or kilograms.



When we talk about measuring the mass of an object, we mean we are measuring how heavy it is.

Two units commonly used to measure mass are grams and kilograms

The mass of a paper clip is about 1 gram.

 The mass of a wooden baseball bat is about 1 kilogram.

A kilogram is equal to 1,000 grams. So, it is also as hezvy as 1,000 paper clips.

One way to find the actual mass of any object is to use a balance scale, In the picture, two 1-kilogram weights balance the bag of flour, showing that the mass of the flour is equal to 2 kilograms. If you only want to estimate the approximate mass 2 kilograms, you can estimate that the mass of the of something, one way to do that is to compare it to something else that you know the mass of. For books is also about 2 kilograms. So, the mass of example, if you lift these two books, they may Since you know the bag of flour has a mass of seem to be about as heavy as the bag of flour. one book is about 1 kilogram.



Invite your child to share what he or she knows about measuring mass by doing the following activity together.



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241

Lesson 22 Liquid Volume

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Lesson 23 Mass 253