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(RDW (Read, Draw, Write) Treplate)

RDW Template

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script

She read onsixth.

Let's draw anotherectangular fraction model that represents the amount Sam read of her book on Monday. We first need to draw a rectangle that is the same size as our first rectange whole (length of book) has not change When we draw this new rectangle, we will partition the rectangle horizontally into sixths so that we can show or both. How many total units will this new rectangle have?

6.

How many of those units will where shading to represent the amount that Sam read on Monday?

1.

Good. Go ahead and draw and label your rectangle in the space provided on your RDW template Make sure to shade in orseixth of the rectangle.

Let's remember what it is that we are trying to find out? What is it that we are solving Vier? need to read the problem again. What is step 3?

Read again

Let's read the problem together.

reads-⁶of

her book over the weekend an other on Monday. What fraction of the book has she read? What fraction of the book is left? We read the problem again, so we can put a check in the box. What are we solving for?

The total amount of the book that Sam has read, and how much is left.

Yes, we made two rectangular fraction models (drawings) to help us answer these two questions. The first rectangle shows the fraction and the second rectangle shows. What do we need to do first with these two fractions $\frac{6}{9}$ and $\frac{-5}{10}$ in order to find out the total amount of the book that Sam has read?

We need to add the two fractions.

Addition is easy when the units are the same. Right now, our units are not the samfifthOse different from onesixth. We can use our rectangular fraction models (drawings) to help us find the like unit so that we can add the fraction $\frac{5}{2}$. If we take our rectangles and over the the vertical and horizontal units form the like unit. Whethe fractional value of this like unit?

Onethirtieth. How many thirtieths are equal to two the the two the t Twelvethirtieths. That is correct.Let's show $\frac{6}{9}$ being equivalent te $\frac{5}{74}$ on our first rectangle (drawing). 56 How many thirtieths are equal to orsexth? Fivethirtieths. That is alsocorrect. Let's show $\frac{5}{2}$ being equivalent to $\frac{9}{74}$ on our second rectangle (drawing). 9 74 What is step 4? Write an equation Using our rectangular fraction models strawings, say the number addition sentence us thirtieths as our like unit or denominator that will determine the total amount the book that San has read. Twelvethirtieths plus fivethirtieths equals seventeethirtieths. Let's write this number sentence as an equation in the space provided on your RDW template. $\frac{56}{74} - \frac{9}{74} \frac{5}{74}$ If Sam has rea $\frac{5}{74}$ of the book so far, how do we determine how mother book is left? We need to subtract what she has read so far from the whole book. How many of our like units represents the whole book? Thirty. That's right, the whole book is the same as thirty rtieths. What do we have to do t determine how much of the book is left to be read?

Subtract seventeethirtieths from thirty-thirtieths.

Say the number subtraction sentence using thirtieths as our like unit or denominator that will determine the total amount of the book that Sam has left to read.

Thirty-thirtieths minus seventeethirtieths equals thirteenthirtieths.

That's correct. Let's write this number sentence as an equation in the space provided on your RDW template. $\frac{74}{74}$



We are going to learn about the terexponent Whatterm?

Exponent

When we use the Frayer model, the first thing we do is write the vocabulardy involve middle circle.Let's write exponentian the circle.

You can see therare also 4 boxes. The first box is labeled DefinitiAndefinition tells us the meaning of the term. An exponentis a number that tells how many times a number called the base gets multiplied by itselfLet's say that together. Now, let's write that in the Definitionbox.

The next box is Characteristics his means we want to think of words and pictures and equations that describe exponend r that are important to help us understand what it means. 10^{6}



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Archer, A. and Hughes, C. (2011). Explinsitruction: Effective and frecient teaching. New York, NYThe