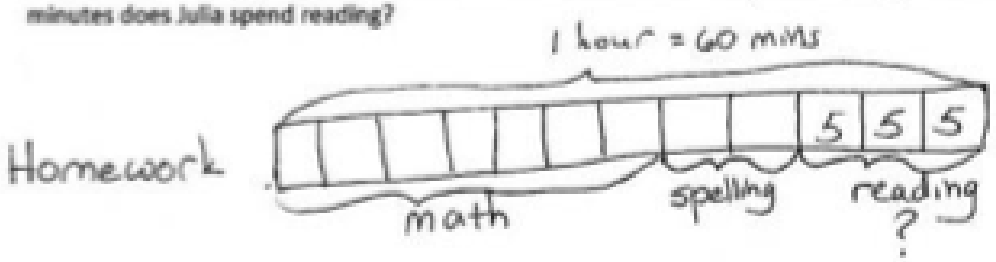
1. Use the RDW process to solve the word problems below.

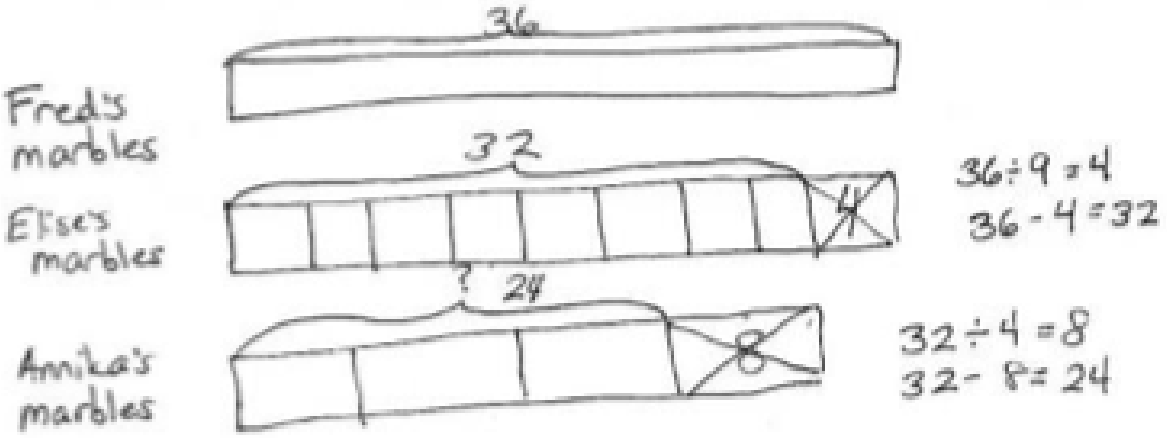
a. Julia completes her homework in an hour. She spends $\frac{?}{12}$ of the time doing her math homework and $\frac{1}{6}$ of the time practicing her spelling words. The rest of the time she spends reading. How many minutes does Julia spend reading?



$60 \div 12 = 5$

She spends 15 minutes reading.

b. Fred has 36 marbles. Elise has $\frac{8}{9}$ as many marbles as Fred. Annika has $\frac{3}{4}$ as many marbles as Elise. How many marbles does Annika have?



$36 \div 9 = 4$
$36 - 4 = 32$

$32 \div 4 = 8$
$32 - 8 = 24$

Annika has 24 marbles.

2. Write and solve a word problem that might be solved using the expressions in the chart below.

Expression	Word Problem	Solution
$\frac{2}{3} \times 18$	Jeri buys a carton of 18 eggs. She uses $\frac{2}{3}$ of them to bake a cake. How many eggs did she use?	$18 \times \frac{2}{3} = 12$ She used 12 eggs.
$(26 + 34) \times \frac{5}{6}$	Walter had 26 candies after an hour of trick or treating. Then he got 34 more. His parents made him give $\frac{5}{6}$ of them away. How many candies did Walter get to eat?	$34 + 26 = 60$ $60 \times \frac{5}{6} = 10 \times 5 = 50$ $60 - 50 = 10$ Walter ate 10 candies.
$7 - \left(\frac{5}{12} + \frac{1}{2}\right)$	The party had 7 pizzas cut into 12 slices each. Jack ate 5 slices, and Art ate $\frac{1}{2}$ of a pizza. What fraction of the pizzas were left?	$\frac{5}{12} + \frac{1}{2}$ $= \frac{5}{12} + \frac{6}{12}$ $= \frac{11}{12}$ $7 - \frac{11}{12} = 6\frac{1}{12}$ There were $6\frac{1}{12}$ pizzas left.