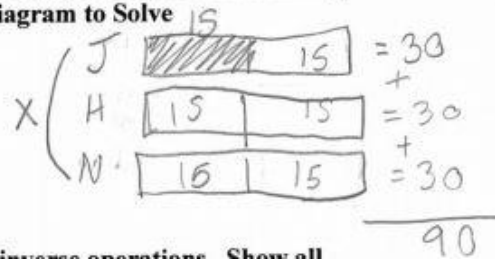


Leah: Using a Tape Diagram

4. Mr. Maxwell started three separate bank accounts for his three children, Jerry, Hector, and Nina. He put the same amount of money in each child's account. If Jerry withdrew half of this money and spent it all on a \$15 CD, how much money did Mr. Maxwell deposit in total? Use a Tape Diagram to Solve

$X =$  How much money He deposited in all

$x = 90$



Colson: Using Algebra and then using a Tape Diagram to check work.

- Mr. Maxwell started three separate bank accounts for his three children, Jerry, Hector, and Nina. He put the same amount of money in each child's account. If Jerry withdrew half of this money and spent it all on a \$15 CD, how much money did Mr. Maxwell deposit in total? Use a Tape Diagram to Solve

Equation:  $\left(\frac{2}{1}\right) 15 = \frac{x}{3} \quad \frac{1}{2} \left(\frac{2}{1}\right)$   
 $30 = \frac{x}{3}$   
 $90 = x$

Check:  $\left(\frac{2}{1}\right) 15 = \frac{90}{3} - \frac{1}{2} \left(\frac{2}{1}\right)$   
 $30 = \frac{90}{3}$   
 $30 = 30$

Use each equation using balanced equations and inverse operations. Show all work.

$9x = 72$   
 $\frac{9x}{9} = \frac{72}{9}$   
 $x = 8$

Check:  $9 \cdot 8 = 72$   
 $72 = 72$

$30 \cdot 3 = 90$   
 $90 = x$

Tape Diagram:  

J	$\frac{15}{15}$	$= 30$
H	$\frac{15}{15}$	$= 30$
N	$\frac{15}{15}$	$= 30$
		$\underline{\quad 90}$

Brain: Algebra

- Mr. Maxwell started three separate bank accounts for his three children, Jerry, Hector, and Nina. He put the same amount of money in each child's account. If Jerry withdrew half of this money and spent it all on a \$15 CD, how much money did Mr. Maxwell deposit in total? Use a Tape Diagram to Solve

$\frac{1}{2}x = 15$   
 $\frac{0 \frac{2}{1}}{0 \frac{2}{1}} = \frac{0 \frac{2}{1}}{0 \frac{2}{1}}$   
 $x = 30$  \$ CD

$30 \cdot 3 = 90$

$x =$  Jerry money

Eliana: More sophisticated Algebra

- Mr. Maxwell started three separate bank accounts for his three children, Jerry, Hector, and Nina. He put the same amount of money in each child's account. If Jerry withdrew half of this money and spent it all on a \$15 CD, how much money did Mr. Maxwell deposit in total? Use a Tape Diagram to Solve

$x/3 = (2)15$   
 $3) x/3 = 30(3)$   
 $x = 90$

$90/3 = (2)15$   
 $90/3 = 30$   
 $30 = 30$

Mr. Maxwell deposited \$90 in total

x is how much Mr. Maxwell spent in total