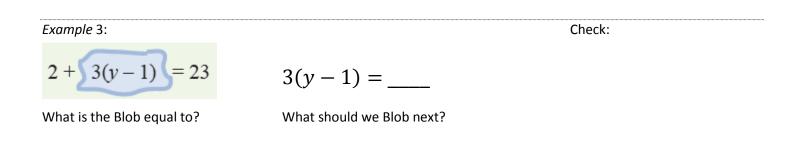
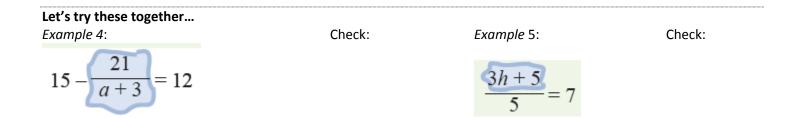
What do you think the p	urpose of the Blob is?	How do you know where to put the Blob?
	ense of solving multi-step equatior e equation you are trying to solve f	ns – for each of the following equations, use the Blob to or.
Then solve for the variab	le. Be sure to check your answer b	y plugging you solution back into the original equation.
Example 1:		Check:
$20 - \mathbf{r} = 2$ What is \mathbf{r} ?	20 - 3p = 2	
Example 2:	$\frac{30}{b+1} = 3$	Check:

Name ___

Solving Equations Using the Blob

What is **?**





Now you try solving the following problems using the Blob...

Level 1 – Two-step equations

Solve the equations.

(1)
$$45 + 7x = 115$$
 (2) $8x - 65 = 31$ (3) $-10 + 4x = 10$ (4) $24 = 4x + 8$

(5)
$$44 + 9x = 107$$
 (6) $\frac{x}{2} - 6 = 5$ (7) $15 + 6x = 51$ (8) $1 + \frac{x}{9} = 5$

Level 2 – Two-step equations with negatives



Solve the equations.

(1)
$$-6 = \frac{x}{8} - 2$$
 (2) $-36 = 2x - 10$ (3) $2 = \frac{x}{-2} - 2$

(4) -8 = 5x + 17 (5) -68 = 22 + 9x (6) $-4 + \frac{x}{-3} = -11$

Level 3 – Multi-step equations

Solve the equations.

(1)
$$-7 = \frac{5x+9}{-7}$$
 (2) $3 = \frac{-3x-6}{-6}$ (3) $-5 = \frac{7x-5}{-6}$

$$(4) \ \ ^{-}5(^{-}4x + 5) = 75 \qquad (5) \ \ 196 = 7(^{-}7x - 7) \qquad (6) \ \ 5(6x - 4) = ^{-}170$$

(7)
$$\frac{-3x-6}{-3} = 7$$
 (8) $-7(5x+2) = 231$ (9) $4(-6x-6) = 48$

(10)
$$\frac{-3x-4}{5} = 4$$
 (11) $28 = 7(3x-5)$ (12) $2 = \frac{3x-7}{4}$