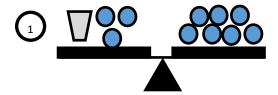
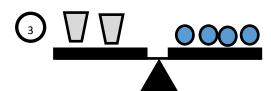
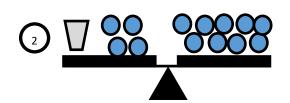
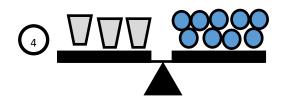
One-step problems In each problem the cup (a) can be worth a different amount. Record an equation for each scale and solve it.

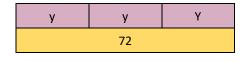




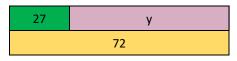




Match the bar model to an equation. Then find the value of y.



$$y + 27 = 72$$



$$72 = 47 + y$$

Two-step problems An equation is represented below.













-1

$$2b + 1 = 5$$



$$b = 2$$

Use this process to solve the equations below. You don't have to draw the pictures, but you do need to record each step (above right).

$$\bigcirc$$
 3y + 7 = 16

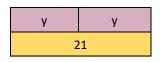


$$0.5 + 5c = 18$$

-1

÷2

У	у	18
	39	



8 This is an example of an equation represented by a bar model. Write the different algebraic steps shown by the bar model.

У
10.5

Use the bar models method to solve the equations below:

$$^{10}$$
 3f + 65 = 116

Use your preferred method to solve the problems below: