Do now:
Write the number that makes the statement true:

a) $3 + 7 = \_\_\_ + 8$

b) $4 \times \_\_\_\_ = 2 \times 10$

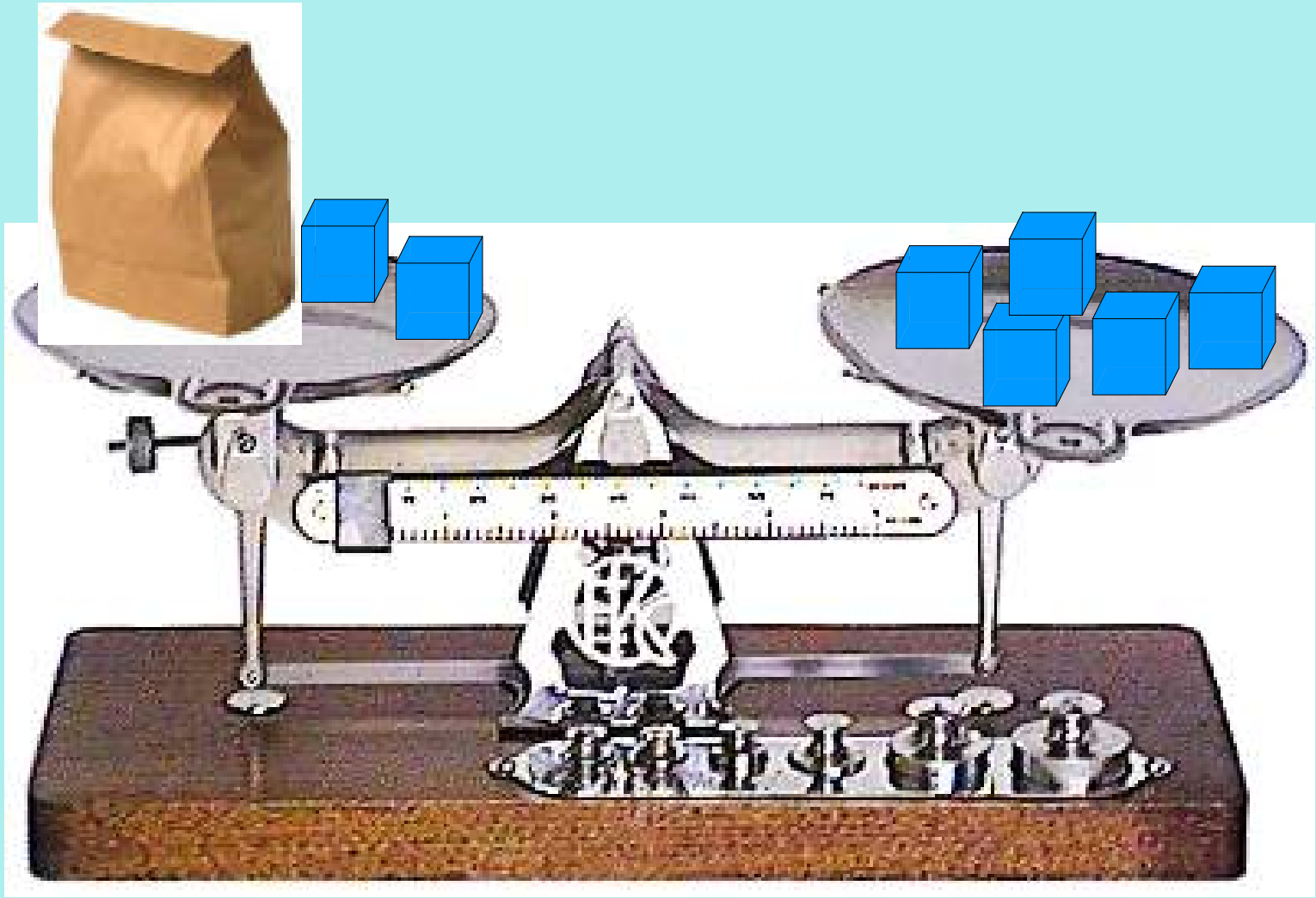
c) $3 + 4 + 5 = 2 + \_\_\_ + 6$

d) $100 \div 2 = 5 \times \_\_\_\_$

e) $\_\_\_ - 112 = 230$

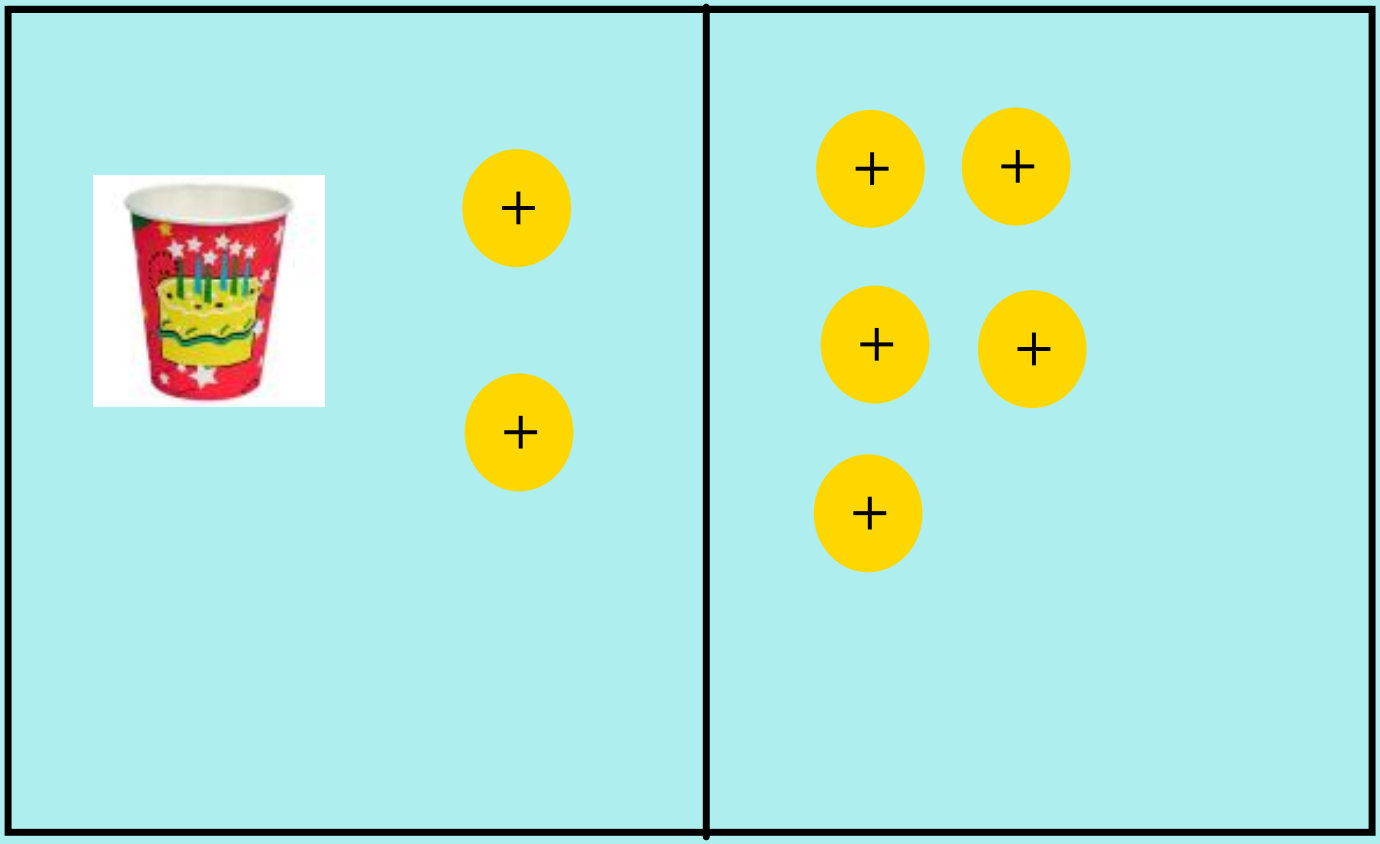
Aim: to solve equations

Suppose you cannot look in the bag. How can you find the number of blocks in th bag?



You can solve an equation using a model.
The rules are:

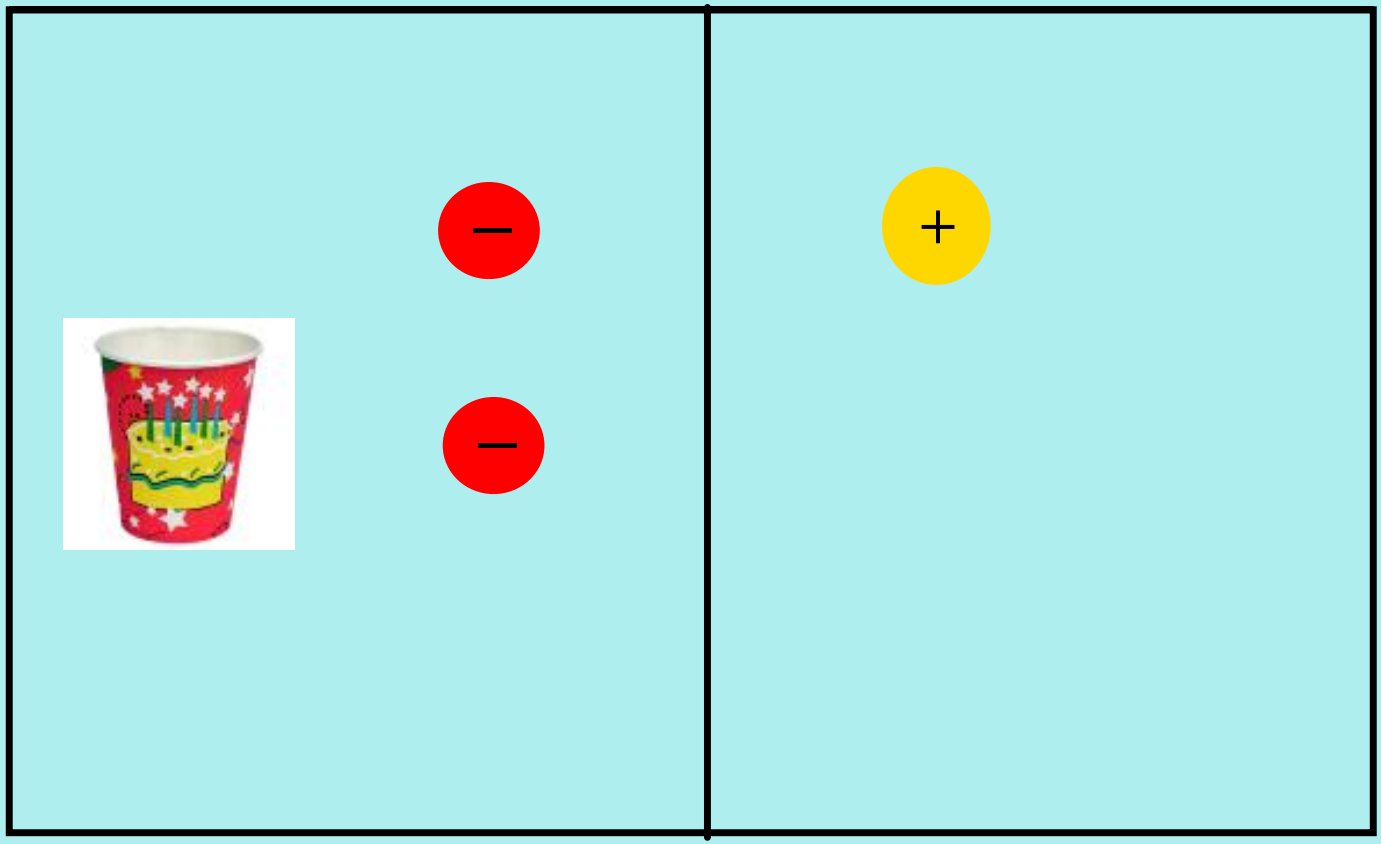
- you can add or subtract the same number of counters from each side of the mat.
- you can add or subtract zero from each side of the mat.



Solve each of the following equations using models.

a) $x + 1 = 3$ b) $x + 3 = 7$ c) $x + 4 = 9$

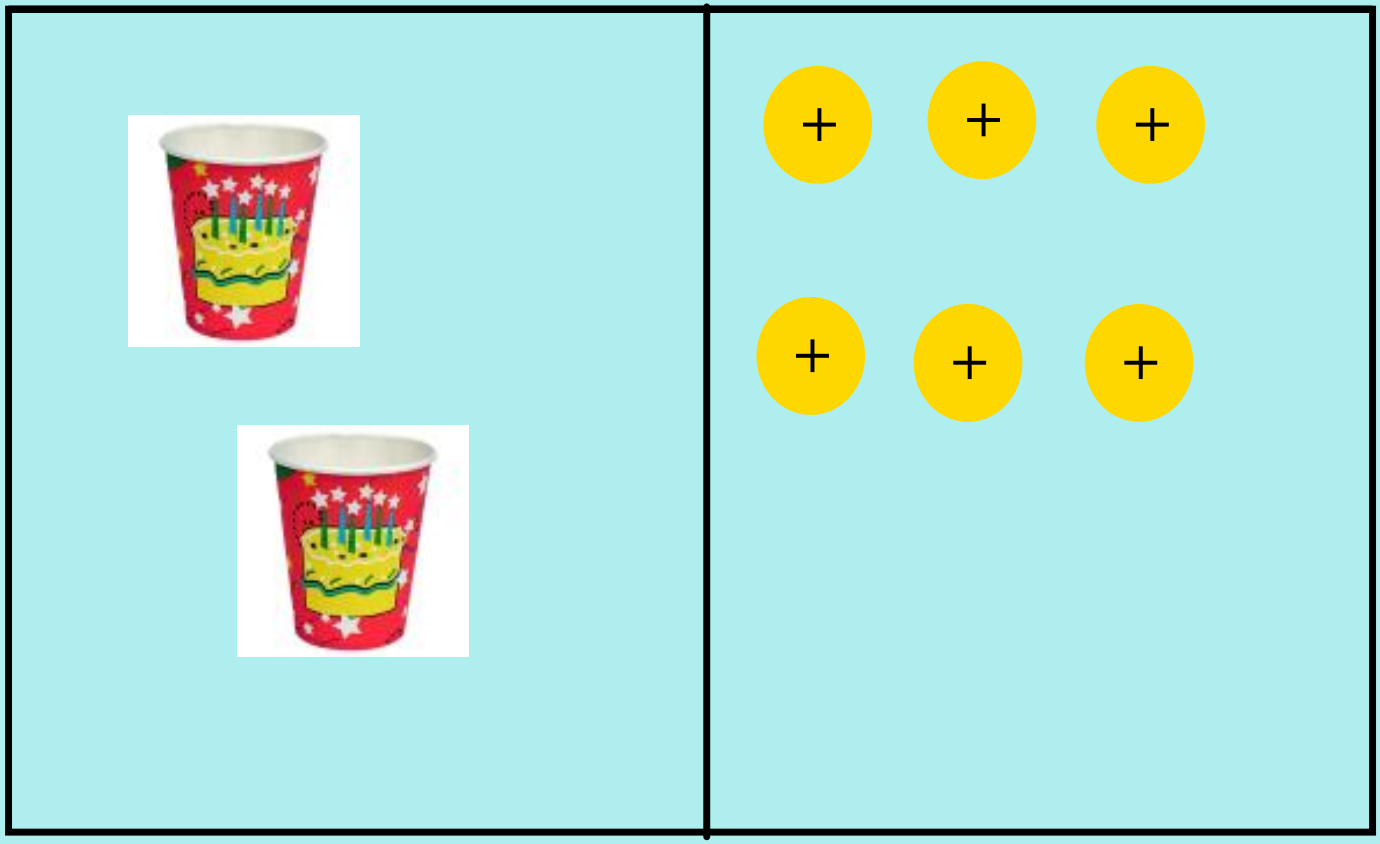
What equation is demonstrated below? How would you solve it?



Solve each equation using models.

a) $y - 3 = 4$ b) $r - 4 = 2$ c) $q - 8 = 4$

What equation is demonstrated below? What would you do to solve it?



Solve each equation using models.

a) $4x = 8$ b) $2r = 10$ c) $3y = 3$