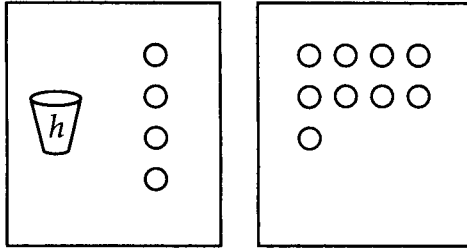


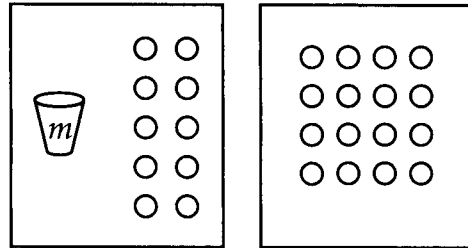
Explore Addition Equations

Each sheet of paper represents one side of the equation. The counters represent the numbers and the cups stand for the variables. Write the equation represented by each model. Then solve it.

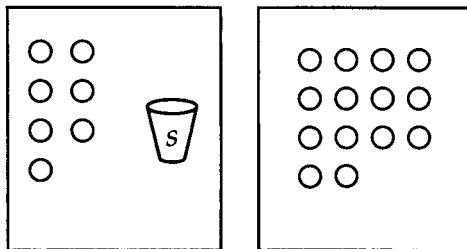
1.



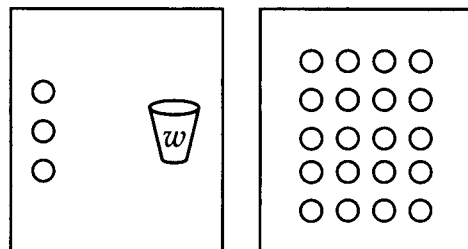
2.



3.



4.



Solve. You may use models.

5. $q + 4 = 10$ _____

6. $2 + v = 17$ _____

7. $t + 6 = 13$ _____

8. $b + 9 = 19$ _____

9. $12 + r = 15$ _____

10. $16 + c = 24$ _____

11. $10 = a + 3$ _____

12. $18 = k + 7$ _____

13. $14 = 5 + d$ _____

14. $19 = 8 + f$ _____

15. $25 = n + 10$ _____

16. $28 = 15 + p$ _____

Use the data in the information below to solve problems 17 and 18.

A box contains 4 pounds of sculpting clay and some painting supplies.
The contents of the box weighs 7 pounds in all.

17. Draw a model to represent the situation.

18. Write an equation represented by the model you drew. Solve it to find the weight of the painting supplies.
