

# 1 ZEROING IN ON ZERO AND ONE

- 1 Solve each equation.  
Show your working.

**Example**  $14 + 1 - 15 + 3 = ?$   
 $15 - 15 + 3 = ?$  because  $14 + 1 = 15$   
 $0 + 3 = ?$  because  $15 - 15 = 0$   
 So  $? = 3$  because  $0 + 3 = 3$



- |                               |                                 |
|-------------------------------|---------------------------------|
| a $6 + 4 + 3 - 7 = \square$   | e $\square = 17 + 8 - 23 + 6$   |
| b $\square = 2 + 8 + 7 - 9$   | f $9 = 6 + \square + 7 - 13$    |
| c $2 + 13 - 16 + 3 = \square$ | g $7 + 5 + 9 - \square = 7$     |
| d $4 + 3 + 7 - 10 = \square$  | h $19 + 16 + 13 - 32 = \square$ |

- 2 There is more than one way to solve this one. Why?  
Write a list of possible equations.

$23 + ? + 6 - ? = 23$



## 3 Challenge

Put **each** of the diamonds **between** the rubies on the bracelet so each link in the chain is true.

