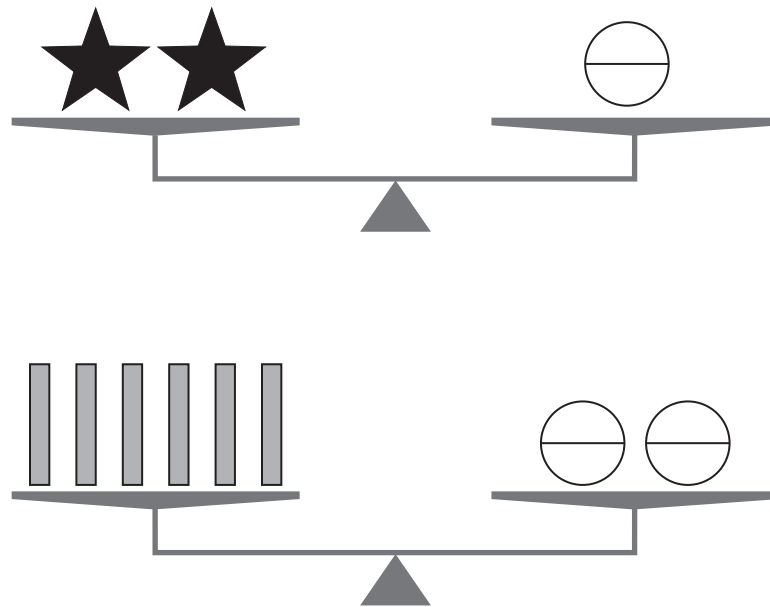


Balance Benders™



Circle the three answers below that will always be true.

a. $\text{bar} > \text{star}$

d. $4 \text{ stars} = 1 \text{ circle} + 3 \text{ bars}$

b. $\text{star} > \text{bar}$




e. $3 \text{ semi-circles} = 1 \text{ star} + 3 \text{ bars}$




c. $3 \text{ bars} < \text{star}$

f. $\text{star} > 3 \text{ bars}$

Answers

Page 15: b, d, e




Divide 2nd balance in half so  = . (Tip 6) Substitute  for

 on 1st balance so  = .

b. Divide  =  in half so  > . (Tip 6)

d. From 1st balance,  =  and from answer b, 
 = , so  =  .

e. Add balances together so   = .

(Tip 8) Divide both pans in half so   = . (Tip 6) Reverse. (Tip 1)