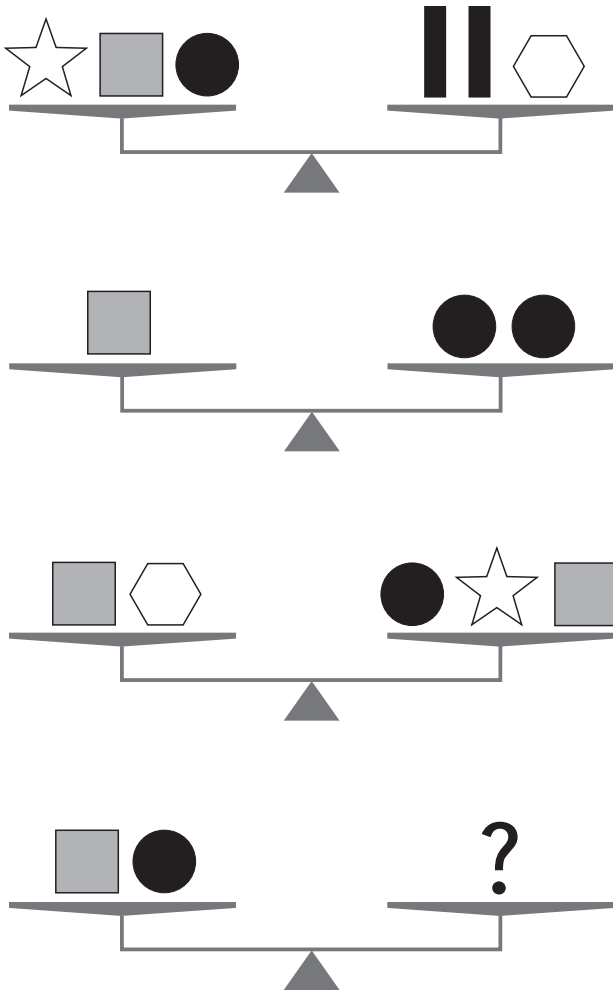


Balance Benders™



Which answer can replace the question mark?



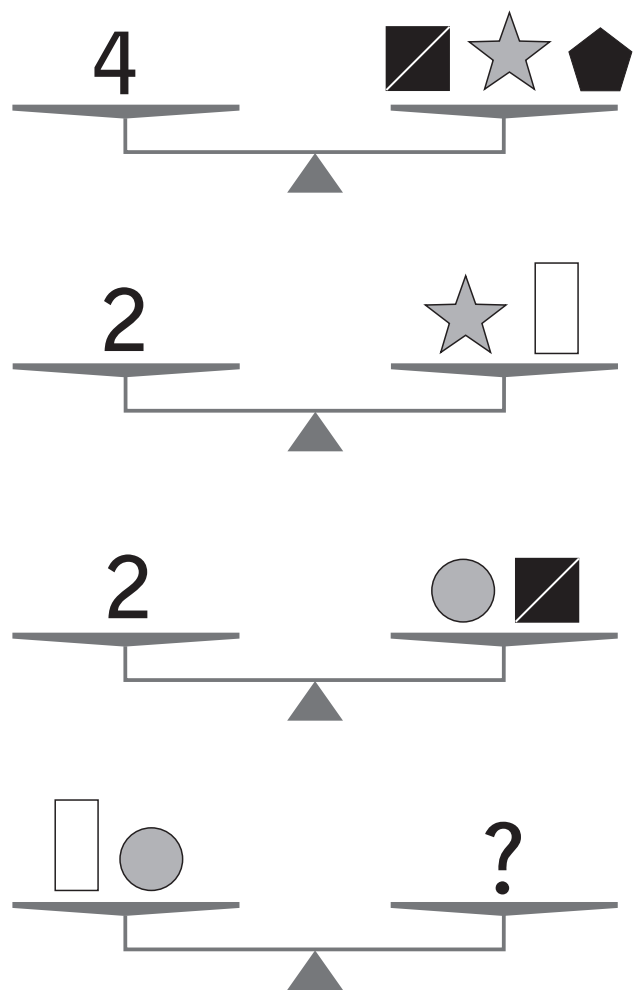
a.

b.

c.

d.

Hint: From 3rd balance, substitute for on 1st balance.



a.

b.






















c.

d.





















Hint: Add 2nd and 3rd balances together.

Answers

Page 29 Problem 1: a

From 3rd balance, substitute   for    on 1st balance so   =  . Remove  from both pans so  = . On 2nd balance, substitute  for  so  =  or  = . Therefore,   = .

Page 29 Problem 2: c

Add 2nd and 3rd balances together so $2 + 2 =$     = 4. On 1st balance, substitute     for 4 so     =   . Remove   from both pans so   = .