## Balance Benders"'



Circle the three answers that will always be true.

d.


Page 24
a. Substitute from and balance for $\square$ on 1st balance so $\Theta=$. (Tip 7) Double both pans $\circlearrowleft \circlearrowleft=\square$. (Tip 6) Reverse pans. (Tip 1)
b. Divide nd balance in half so $\square=$. (Tip 6) Triple each

c. Add both scales together. (Tip 8) Rearrange so


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c. Half of both pans is $\square=\square$. (Tip 6)
d. Add to both pans on and balance. (Tip 4)

(Tips 6 and 7)
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a. Substitute
 1st balance.
 (Tips 7 and 1)
b.
 (Tip 9)


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(Tip 7)
a. Half of each pan is
 (Tip 6)
c. Substitute $\square \angle \square$ for (Tip 7)
d. Since
 then


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a.

b. From 1st balance,
 then

(Tip 7)
e. From 1st balance, $\square<\square$, so $\square \square<\square$. (Tip 7)

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From 2nd balance, substitute 1st balance. is heavier than

b.

d. From 2nd balance,
 (Tip 5) Substitute $\angle$ fo for $\bigcup_{\text {on }}$

(Tip 7)
e. Since
 both pans does not change the balance. (Tip 3)

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does not change the balance. (Tip 3)
e. Triple both pans of $\square=\nabla$. (Tip 5)

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b. Double both pans in 2nd balance. (Tip 5)

from each pan. (Tip 4)
d. Substitute $\rangle_{\text {for }}$. (Tip 7)

