Which answer can replace the question mark?

a.

b.

c.


Circle the two answers below that will always be true.


## Solutions

## Page 1: b, 2, 4

Substitute $\qquad$ for


Page 2: c, 3, 4
From 1st balance, substitute $\quad$ for $\bigcirc \ggg \gg$


Page 3: b, 1, 3


## Page 4: b, 3, 4

From 1st balance, substitute
 on 2nd balance so $\square=\bigcirc$ (Answer 3). On 3rd balance, substitute $\square$ for $\bigcirc$ so

## Page 5: d, 2, 4

From 2nd balance, substitute $\triangle \square_{\text {for }} \square$ on 1st balance so $\square=6$ (Answer 2) or $\square=2$. Divide in half so 1. On 1st balance, substitute 2 for
or $\square=4$. Divide $\square=4$ in half so $\square=2$ and $\square$ 6 (Answer 4). Therefore,

$$
\square=4+4+1=9
$$

Page 6: c, 2, 4
Divide 1st balance in half so $\square=\square$ (Answer 2). Triple so $\square \square \square=\square \square \square$ (Answer 4) or $\square \square \square$. From 2nd balance, substitute $\qquad$ for $\square_{\text {so }} \oplus \rightarrow \bigoplus=$ $\square \square$.

Page 7: b, 3,4
Divide 1st balance into thirds so $\circlearrowleft=4$. On 2nd balance,

(Answer 4). Therefore, $9=4+5=$


Page 8: a, 2, 3
From 1st balance, substitute $\bigcup_{\text {for }}$
 $\bigcirc \overbrace{(\text { Answer 3). }}$

Page 9: d, 1, 4
 $=5$ and


## Page 10: a, 2, 3



