Balance Benders™
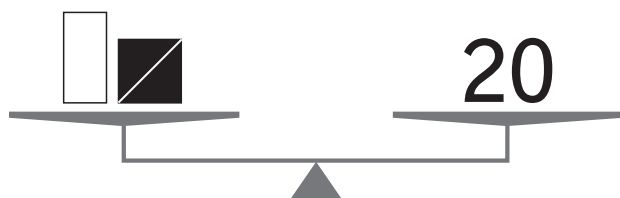
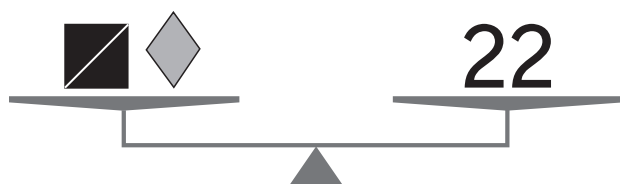## Which answer can replace the question mark?

◇ +2 = ◼

▯ ◼ = 20

◼ ◇ = 22

18 = ?
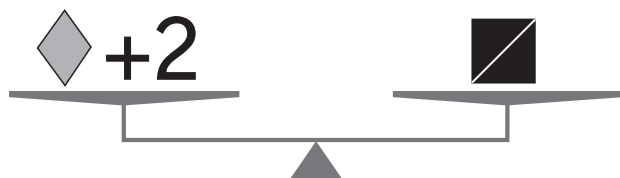
a. ▯ ▯

b. ▯ ◣

c. ◩ ◣

d. ◼ ◼

Circle the two answers below that will always be true.

1. ◇ ◇ = 24

2. ◇ ◇ = 20

3. ◼ = 10

4. ◼ = 12

Hint: From 1st balance, substitute ◇ + 2 for ◼ on 3rd balance.

Answers

From 1st balance, substitute ◇ + 2 for ◼ on 3rd balance so ◇◇ + 2 = 22. Therefore, ◇◇ = 20 (Answer 2) or ◇ =

10. On 1st balance, substitute 10 for ◇ so 10 + 2 = 12 = ◻ (Answer 4) or ◣ = 6. Therefore, 18 = 12 + 6 = ◻◣.