

Balance Scales

Advanced — ANSWER KEY

Bags on BOTH pans. Take bags off both sides.

Think: If both pans have X, remove one X from each side — the scale still balances.

1. How heavy is the bag? Find X so the scale balances.

1) $X + X + X + X$ = 56 $X = 14$	2) $X + X + X + X + 6$ = $X + X + X + 9$ $X = 3$
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3) $X + X + 6$ = 18 $X = 6$	4) $X + X + X + X$ = $X + X + X + 5$ $X = 5$
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5) $X + X$ = $X + 11$ $X = 11$	6) $X + X + 6$ = $X + 11$ $X = 5$
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