

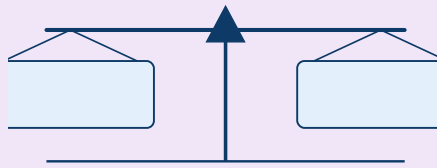
CUBES HIDING IN THE BOX

- Look at the level balance: one pan holds **10** cubes and the other holds **4** cubes plus a box.
- The beam is level so both pans are equal: $\square + 4 = 10$.
- The whole is **10** and one part is **4**, so the missing part is $10 - 4$.
- The box hides **6** cubes. Check: $6 + 4 = 10$.

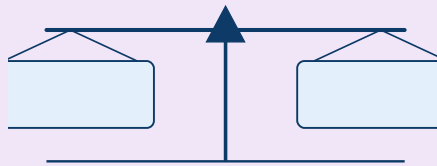
WARM-UP

Use the balance scales to make both sides equal for each set of cubes.

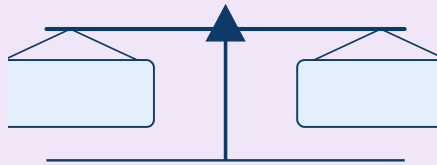
- Place 7 cubes on the left pan and 3 cubes plus a box on the right pan, then write the missing number that levels the beam



- Place 9 cubes on the left pan and 2 cubes plus a box on the right pan, then write the missing number that levels the beam



- Place 10 cubes on the left pan and 6 cubes plus a box on the right pan, then write the missing number that levels the beam



PRACTICE

- The pencil pot holds **7** pencils. **3** are red. How many blue pencils are hiding? _____

SPOT THE MISTAKE

Sean works out $\square + 4 = 10$ like this:

$$\begin{aligned}\square + 4 &= 10 \\ \square &= 10 + 4 \\ \square &= 14\end{aligned}$$

Find Sean's mistake. What is the correct value of $\square$?

The mistake _____ Correct answer