

A reasoning extension for parents

Hippo: Tilt and Pack

Ages 6-7

The goal: Make the shown packs and loose pouches.

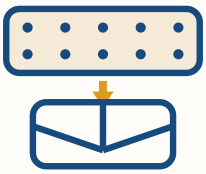
Reasoning matters more than clicks.

5 ways to help without giving the answer

1. **Predict an exchange.**
   "What will opening one pack change?"
2. **Ask about the total.**
   "What stays the same? Show me."
3. **Compare two models.**
   "Can both show the same amount?"
4. **Notice the pack limit.**
   "Which model fits the shown goal?"
5. **Invite a new puzzle.**
   "At home, can you make one for me?"

Your reasoning plan

10 minutes is plenty



- No timer
- Undo
- Try again

Ask one question, then wait. Showing is enough.

5 signs the math is happening

1. **Predicts before acting.**
   Expects ten more loose after unpacking.
2. **Conserves the whole.**
   Shows nothing was added or lost.
3. **Connects two models.**
   Links 3 packs + 4 to 2 packs + 14.
4. **Uses both conditions.**
   Checks total and required grouping.
5. **Makes a home puzzle.**
   Picks a total and a pack limit.

Try it away from the screen today

Make 34. Put ten in each of 3 envelopes; leave 4 loose. →
Allow 2 packs. Open one envelope. →
Prove the total. Now 2 packs and 14 loose. Still 34?

Use large paper squares and envelopes.

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