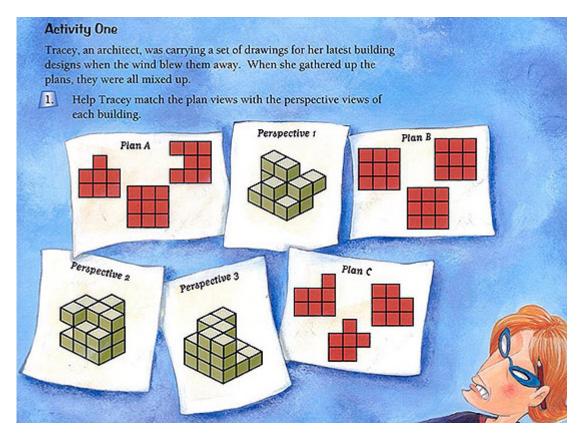
Blocked Plans

Annotation

Dalmar is able to interpret multiple perspectives, understanding relationships between shapes and space in two- and three-dimensions. He carefully checks for particular features of each perspective view on the identified plan.

Problem: Blocked Plans

The teacher shows the student this problem and reads it with him as required:



Student response

Dalmar:

Dalmar correctly matches Perspective 1 with Plan C, Perspective 2 with Plan A, and Perspective 3 with Plan B.

Teacher: Tell me how you did that.

I started with the easiest plan which is Plan B. I know that from every perspective I have to see 3×3 . So it has to be Perspective 3.

Then I chose Perspective 1 because it seems to have one block sticking out by itself from the back face. So I thought it would be Plan C. I checked from each perspective and it matches as long as there is not another block hidden at the back.

That left Plan A to match Perspective 2. I checked that one too and that single cube at the back confirmed it for me. I am picturing that bit being 3 cubes high, though you can't see them.