

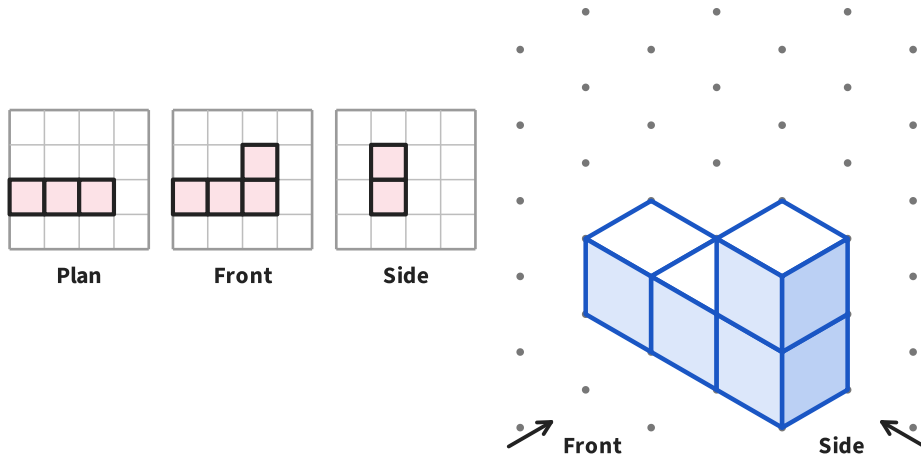
Plans and Elevations: Drawing the Solid

ANSWERS

1

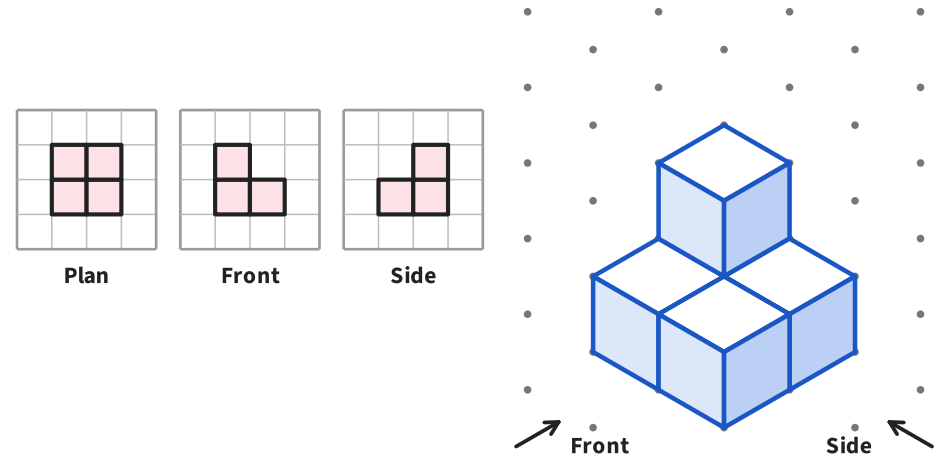
Each line joins two dots.

Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.



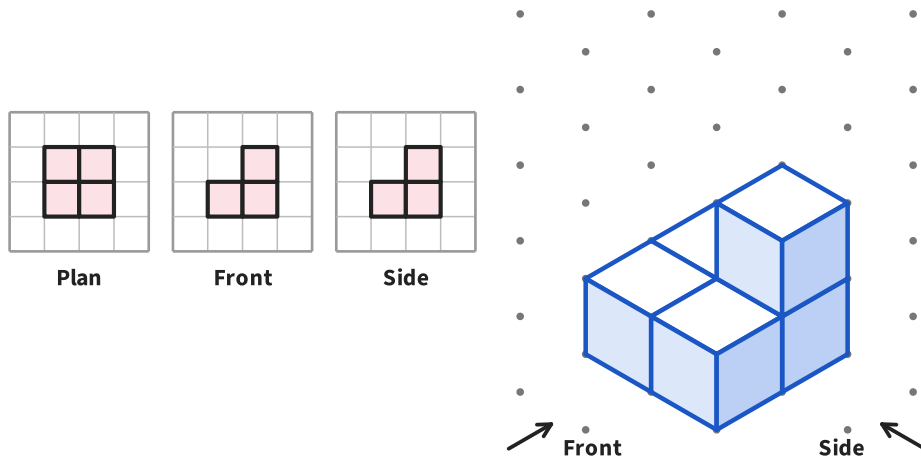
2

Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.



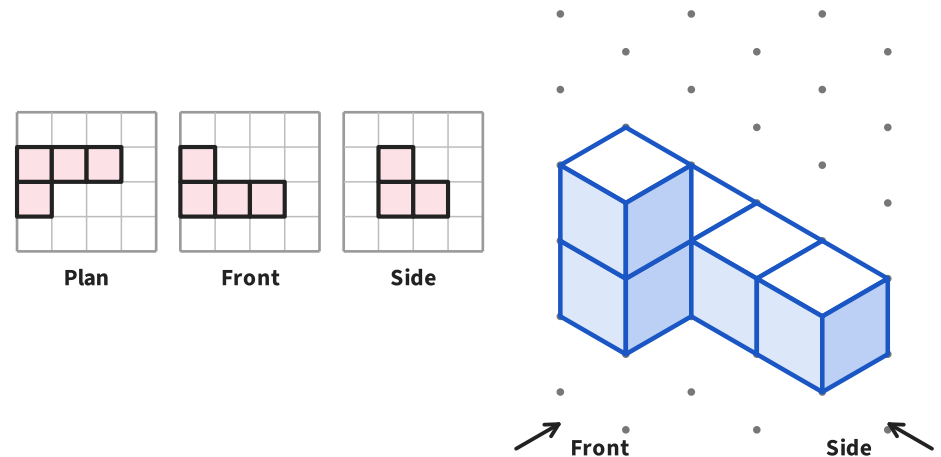
3

Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.



4

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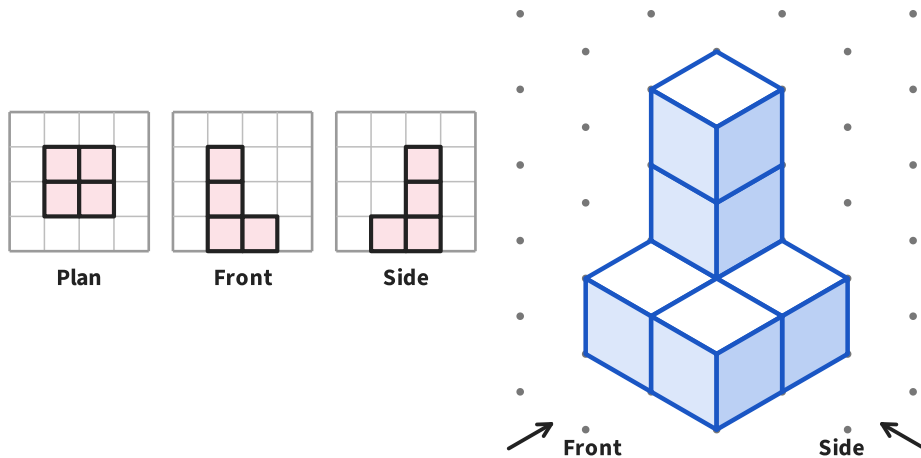


Plans and Elevations: Drawing the Solid

ANSWERS

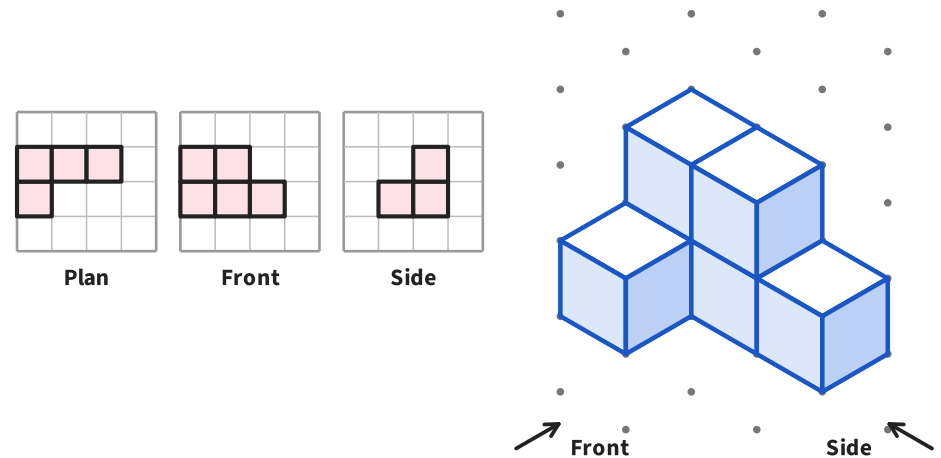
5

Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.



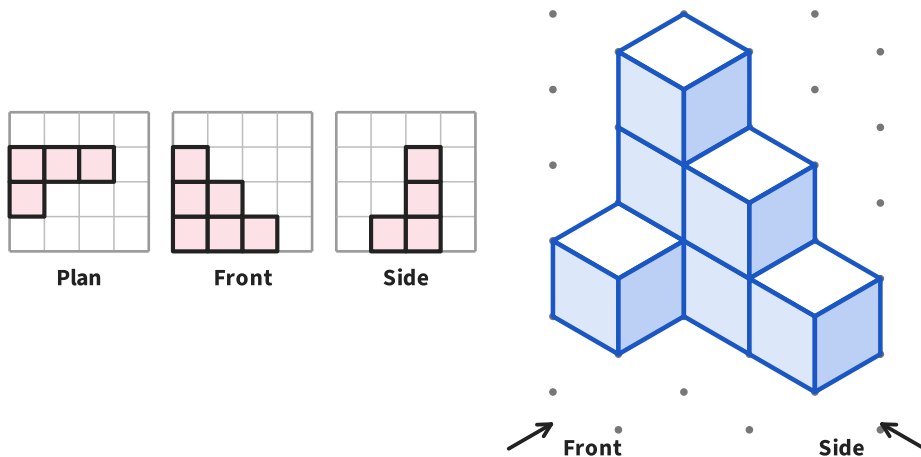
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Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.



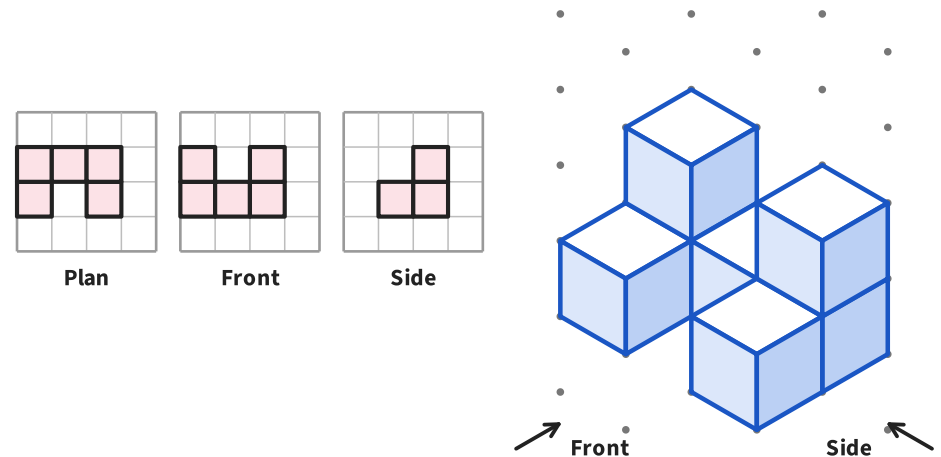
7

Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.



8

Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.

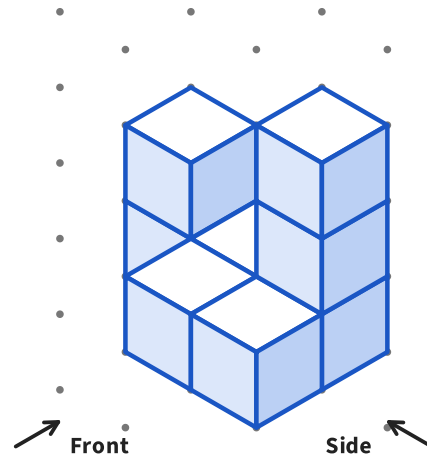
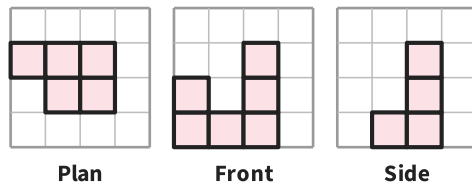


Plans and Elevations: Drawing the Solid *further practice*

ANSWERS

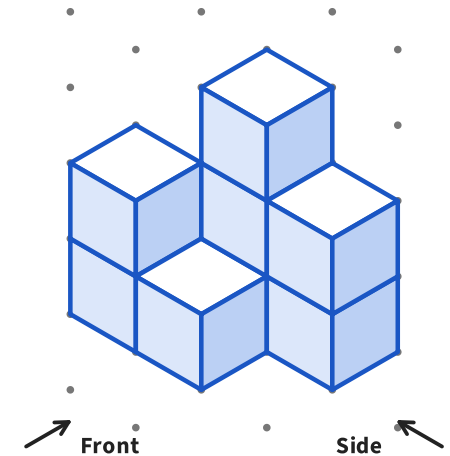
9

Here are the plan, front elevation and side elevation of a solid made from cubes. Draw the solid on the isometric paper.



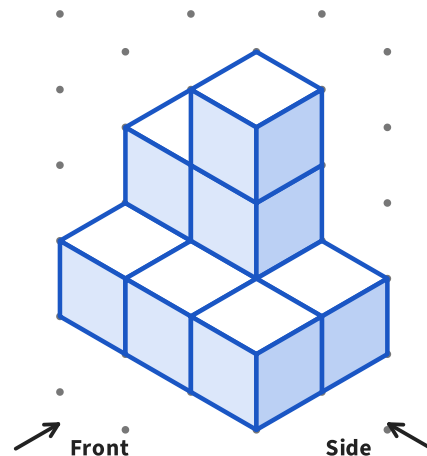
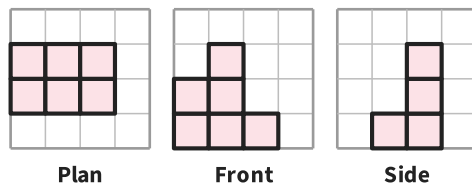
10

The plan shows how many cubes are in each column of a solid. Draw the solid on the isometric paper.



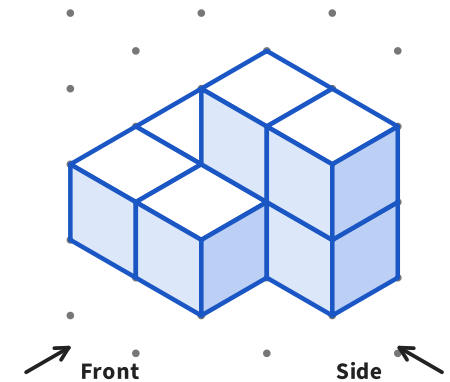
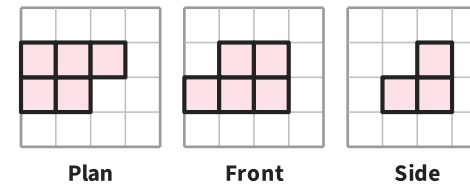
11

A winners' podium is built from cube blocks. Here are its plan, front elevation and side elevation. Draw the podium on the isometric paper.



12

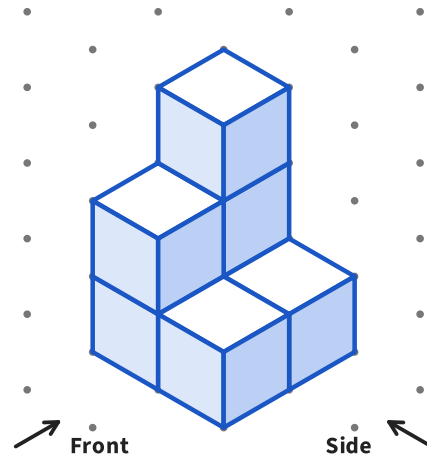
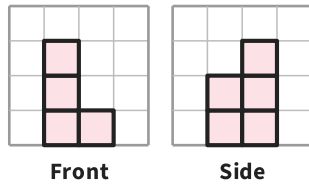
This solid is made from cubes with edges of 2 cm. Draw the solid on the isometric paper. Then work out its volume.



Answer 7 cubes $\times$ $8\text{ cm}^3 = 56\text{ cm}^3$

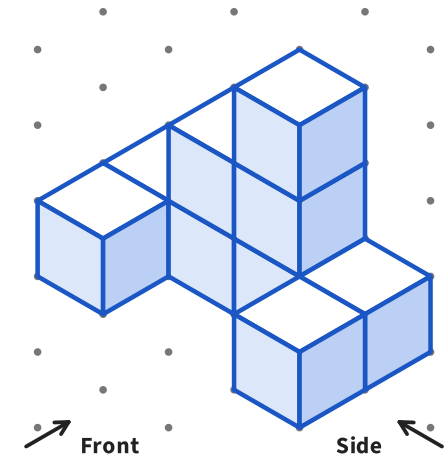
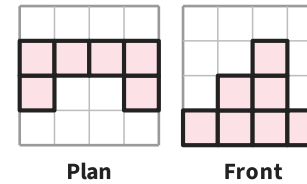
13

Here are the front and side elevations of a solid made from 7 cubes. Draw the solid on the isometric paper.



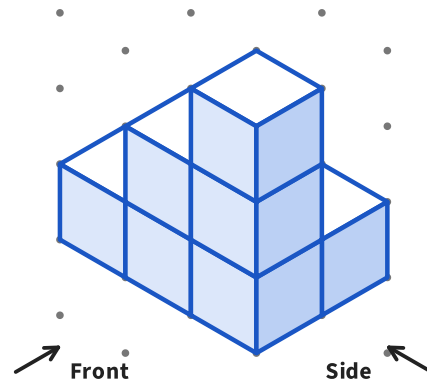
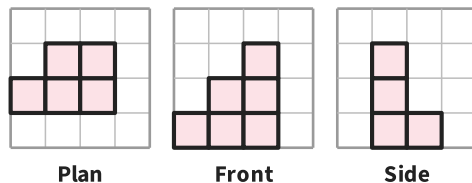
14

Here are the plan and front elevation of a solid made from cubes. Draw the solid on the isometric paper.



15

Ava is building with cube blocks. Draw what she has built. How many more blocks does she need to make a cuboid 3 blocks long, 2 deep and 3 high?

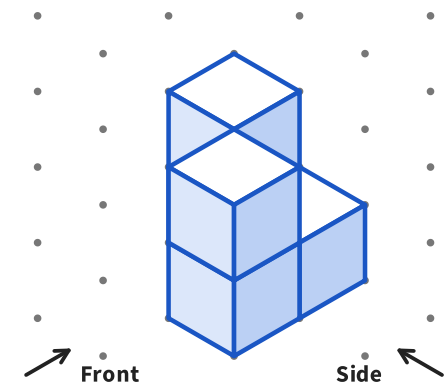
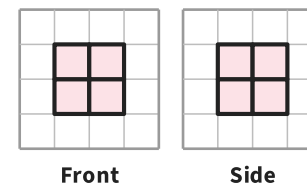


Answer

$$18 - 8 = 10 \text{ more blocks}$$

16

Ben says a solid with these elevations must be made from 8 cubes. Draw a solid with these elevations made from fewer cubes. Explain why Ben is wrong.



Answer

The elevations do not show the cubes behind, so fewer can give the same views. This solid uses 5.