Info Gap: Originals and Dilations

Problem Card 1

A rectangular prism was dilated. Your partner has some information about the dimensions, surface area, and volume of the original and dilated prisms.

Draw the original prism, labeling its height, width, and length.

Info Gap: Originals and Dilations

Data Card 1

- The dilated prism's volume is 240 cm^3.
- The original prism's volume is 30 cm^3.
- The length of the original prism is 5 cm.
- The height of the dilated prism is 4 cm.
- The original prism's surface area is 62 cm^2.
- The dilated prism's surface area is 248 cm^2.

Info Gap: Originals and Dilations

Problem Card 2

A cylinder was dilated. Your partner has some information about the dimensions, surface area, and volume of the original and dilated cylinders.

Find the volume of the dilated cylinder.

Info Gap: Originals and Dilations

Data Card 2

- The original cylinder's surface area is $80\pi m^2$.
- The dilated cylinder's surface area is 1280π m^2.
- The radius of the original cylinder is 5 m.
- The height of the dilated cylinder is 12 m.
- The volume of the original cylinder is $75\pi m^3$.

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