

Similar shapes - area

147a



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Name: _____

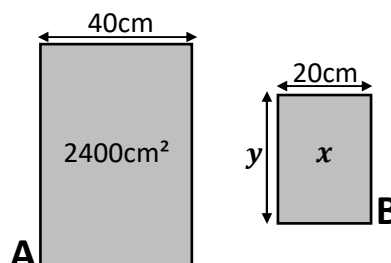


Find the value of x in these **similar** shapes:

<p>a) Area = 15cm^2 3cm</p> <p> Area = $x\text{ cm}^2$ 6cm</p>	<p>b) Area = 12cm^2 6cm</p> <p> Area = $x\text{ cm}^2$ 12cm</p>
<p>c) Area = 48cm^2 12cm</p> <p> Area = $x\text{ cm}^2$ 3cm</p>	<p>d) Area = $x\text{ cm}^2$ 8cm</p> <p> Area = 96cm^2 16cm</p>
<p>e) Area = 108cm^2 12cm</p> <p> Area = $x\text{ cm}^2$ 4cm</p>	<p>f) Area = 540cm^2 36cm</p> <p> Area = $x\text{ cm}^2$ 12cm</p>
<p>g) Area = 10 m^2 4m</p> <p> Area = $x\text{ m}^2$ 6m</p>	<p>h) Area = 225cm^2 18cm</p> <p> Area = $x\text{ cm}^2$ 12m</p>
<p>i) Area = 84mm^2 8mm</p> <p> Area = $x\text{ mm}^2$ 4mm</p>	<p>j) Area = 48cm^2 6cm</p> <p> Area = $x\text{ cm}^2$ 60cm</p>
<p>k) Area = $x\text{ cm}^2$ 11mm</p> <p> Area = 108mm^2 33mm</p>	<p>l) Area = 5cm^2 6cm</p> <p> Area = 20cm^2 $x\text{ cm}$</p>

Exam question:

A and B are similar shapes.
Calculate the values of x and y

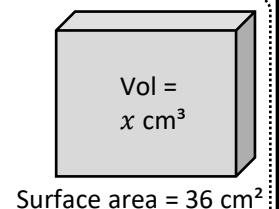
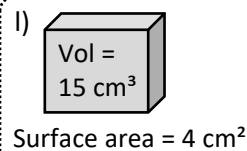
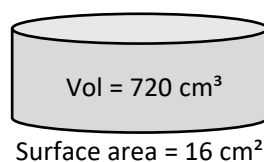
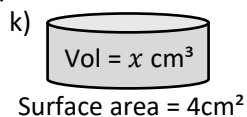
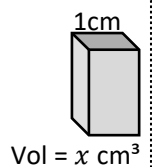
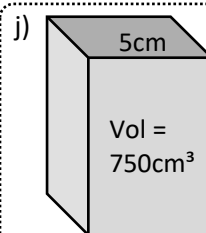
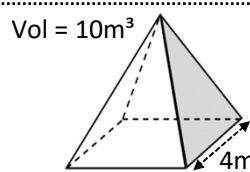
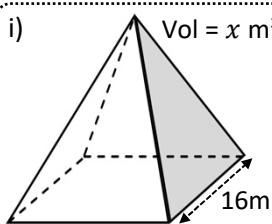
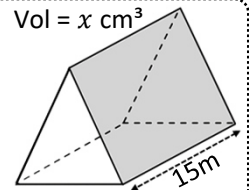
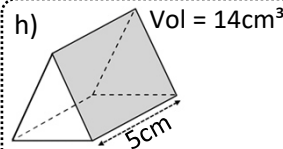
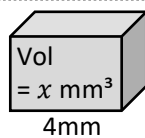
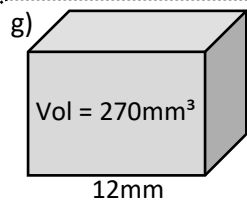
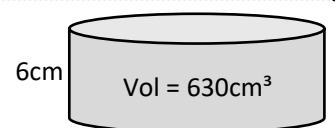
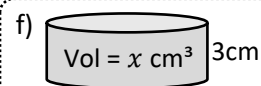
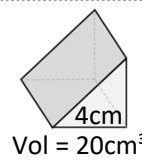
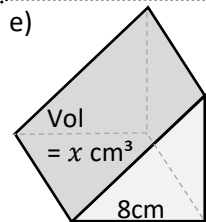
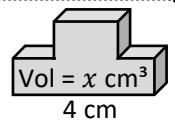
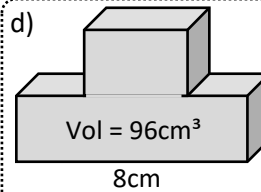
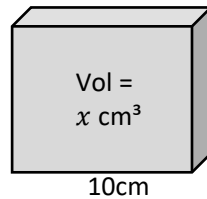
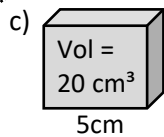
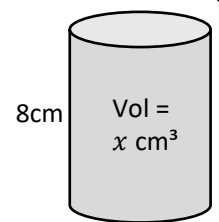
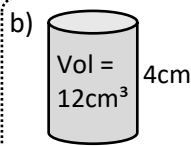
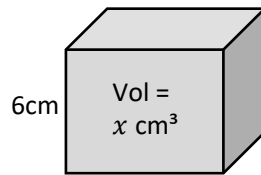
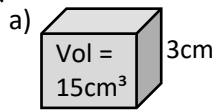




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Find the value of x in these **similar** shapes:



Exam question:

A and B are **similar** shapes.
The volume of A is 576cm^3 .
The Volume of B is 9cm^3 .
Calculate the value of x

