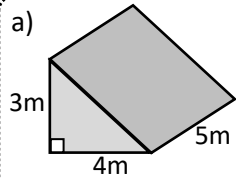




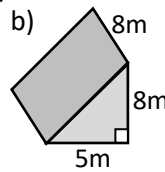
Name: _____



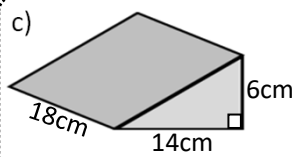
Calculate the volume of these **prisms**. State the units of your answer.



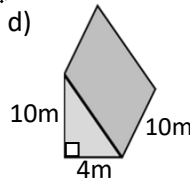
30m^3



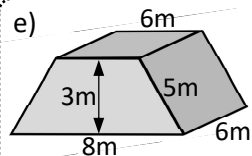
160m^3



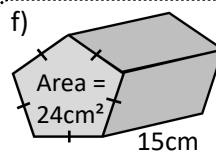
756cm^3



200m^3

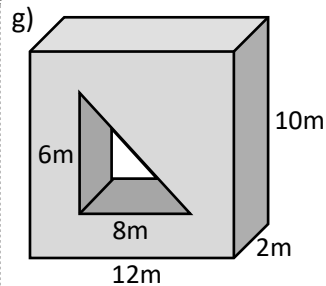


126m^3

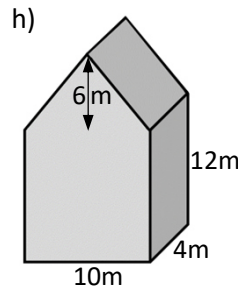


360cm^3

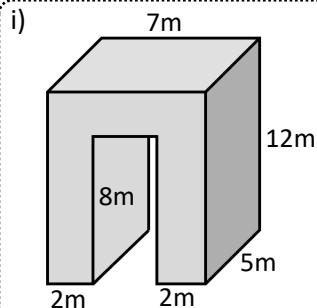
Calculate the volume of these **prisms**. State the units of your answer.



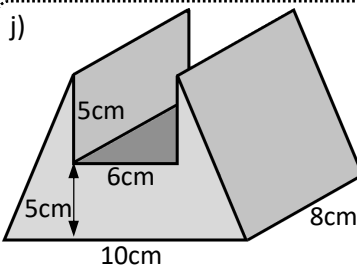
192m^3



600m^3



300m^3

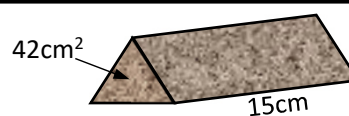


400cm^3

Exam question:

A chocolate bar is cut into the shape of a triangular prism. The cross-sectional area of the bar is 42cm^2

Calculate the volume of chocolate if the bar is 15cm long.



630cm^3



Volume of cylinders

92b



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Calculate the volume of these **cylinders**. State the units of your answer.

<p>a)</p> <p>2m 5m</p> <p>62.83m³</p>	<p>b)</p> <p>6cm 10cm</p> <p>1130.97cm³</p>
<p>c)</p> <p>12cm 8cm</p> <p>2412.74cm³</p>	<p>d)</p> <p>4mm 9mm</p> <p>1017.88mm³</p>
<p>e)</p> <p>14cm 18cm</p> <p>2770.88cm³</p>	<p>f)</p> <p>10mm 8mm</p> <p>502.65mm³</p>
<p>g)</p> <p>10m 18m</p> <p>1413.72m³</p>	<p>h)</p> <p>25mm 10mm</p> <p>4908.74mm³</p>

Calculate the volume of these **partial cylinders**. State the units of your answer.

<p>i)</p> <p>5cm 310° 12cm</p> <p>811.58cm³</p>	<p>j)</p> <p>8cm 7cm 290°</p> <p>1133.77cm³</p>
<p>k)</p> <p>315° 6m 12m</p> <p>1187.52m³</p>	<p>l)</p> <p>210° 15cm 12cm</p> <p>4948.01cm³</p>

Exam question:

A cylindrical bottle has a diameter of 20cm and height of 25cm.

Write down an *expression* for the **volume** of the bottle in terms of π .

Give your answer in its simplest form.

2500 π cm³

