

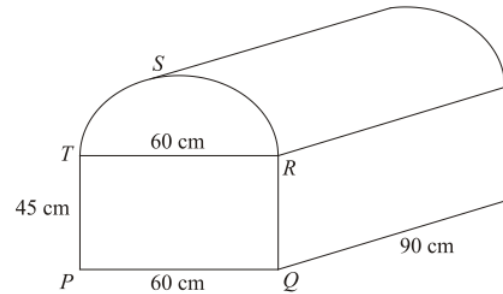
Name - _____

Start time - __: __

End time - __: __

Work out the volume of prisms:

The diagram shows a prism of length 90 cm. The cross section, PQRST, of the prism is a semi-circle above a rectangle. PQRT is a rectangle. RST is a semi-circle with diameter RT. $PQ = RT = 60$ cm. $PT = QR = 45$ cm. Calculate the volume of the prism. Give your answer correct to 3 significant figures. State the units of your answer.



The diagram shows a triangular prism. The cross-section of the prism is a right angled triangle. The volume of the prism is 198 cm^3 . Calculate the value of x .

