



**THIRD SPACE
LEARNING**

Volume Check for Understanding

A 10 question retrieval quiz for
students in grades 6, 7 and 8.

Grades 6 to 8

Questions

Name:

Class:

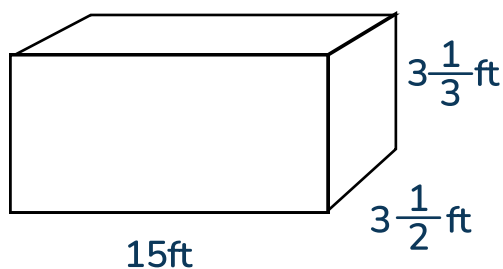
Date:

Score:

- 1 A cube has a side length of 1.4cm. What is the volume?

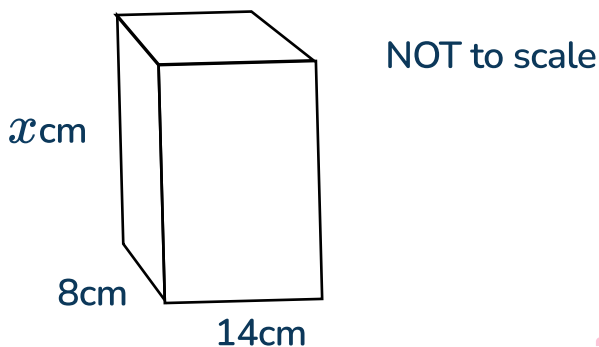
Answer

- 2 Calculate the volume of the rectangular prism.



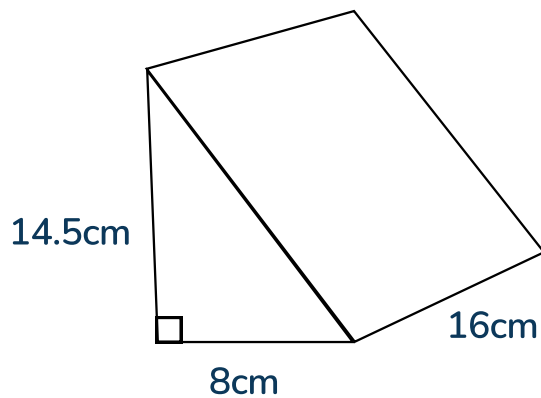
Answer

- 3 The volume of the rectangular prism is $2,088 \text{ cm}^3$
Calculate the value of x , round your answer to the nearest whole number.



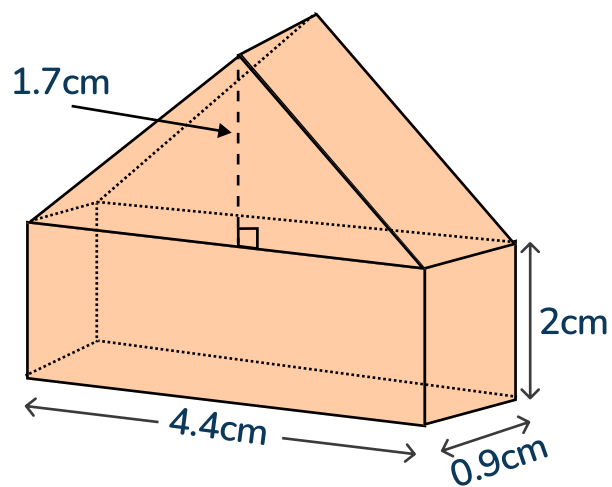
Answer

- 4 Calculate the volume of the triangular prism.



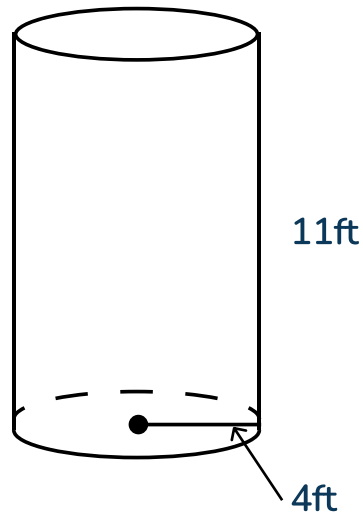
Answer

- 5 Calculate the volume of the composite prism.



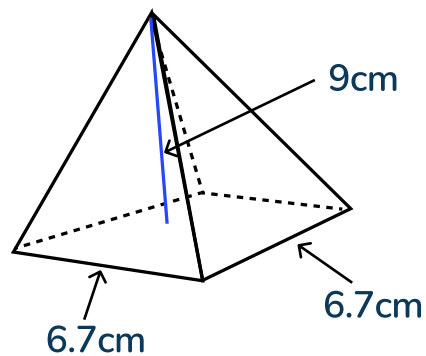
Answer

- 6 Calculate the volume of the cylinder. Use 3.14 for π .



Answer

- 7 Calculate the volume of the right pyramid.

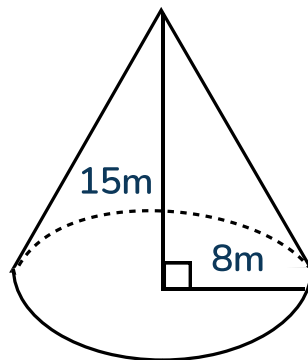


Answer

- 8 The volume of a right pentagonal pyramid is 90m^3 and base area is 18m^2 .
What is the perpendicular height of the pyramid?

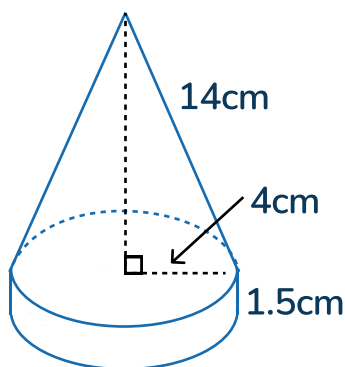
Answer

- 9 Calculate the volume of the cone. Use 3.14 for π



Answer

- 10 What is the volume of the composite figure? Use 3.14 for π .



Answer

Answers

Question number	Question	Answers	Standard
1	A cube has a side length of 1.4cm. What is the volume?	2.744cm^3	6.G.A.3
2	Calculate the volume of the rectangular prism.	175ft^3	6.G.A.3
3	The volume of the rectangular prism is $2,088\text{cm}^3$. Calculate the value of x , round your answer to the nearest whole number.	19cm	6.G.A.3
4	Calculate the volume of the triangular prism.	928m^3	7.G.B.6
5	Calculate the volume of the composite prism.	Volume of triangular prism: 3.366cm^3 Volume of rectangular prism: 7.92cm^3 Volume of composite prism: 11.286cm^3	7.G.B.6
6	Calculate the volume of the cylinder. Use 3.14 for π .	552.64ft^3	8.G.C.9
7	Calculate the volume of the right pyramid.	134.67cm^3	7.G.B.6
8	The volume of a right pentagonal pyramid is 90m^3 and base area is 18m^2 . What is the perpendicular height of the pyramid?	15 meters	7.G.B.6

Check for Understanding | 6th to 8th Grade | Volume | Answers




Question number	Question	Answers	Standard
9	Calculate the volume of the cone. Use 3.14 for π .	1,004.8m ³	8.G.C.9
10	What is the volume of the composite figure? Use 3.14 for π .	Volume of the cone: 234.45cm ³ Volume of the cylinder: 75.36cm ³ Volume of the composite figure: 309.81cm ³	8.G.C.9

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