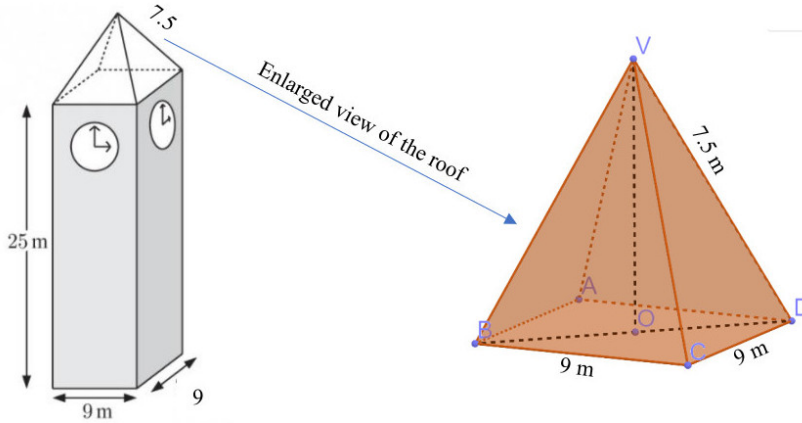


**Exercise 1**

Calc. : ✓

A clock tower has the dimensions shown. The lateral edge of the pyramid (the roof of the tower) is 7.5 m long.

For every question, you have to show your working and give reasons for your answers.



- |   |         |
|---|---------|
| 1. Compute the diagonal BD, to the nearest cm.  | 2 marks |
| 2. Find the height of the pyramid, to the nearest cm.                                       | 2 marks |
| 3. Find the total volume of the clock tower, to the nearest m <sup>3</sup> .                | 2 marks |
| 4. Find how much paint we need for the roof, if we use 0.1 litres for each m <sup>2</sup> . | 3 marks |