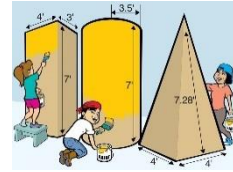




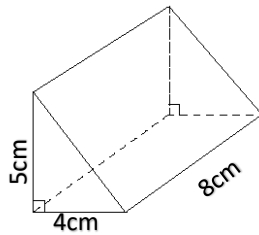
## Grade 8 - Mathematics

### Surface Area and Volume 4

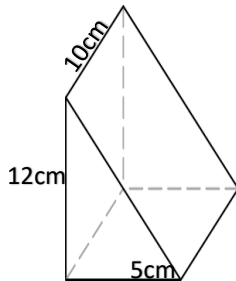


### Activity

1. Calculate the volume and capacity (in  $l$ ) of the following triangular prism.



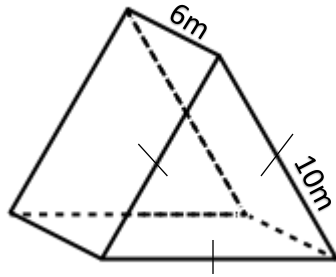
2. Calculate the volume and capacity (in  $ml$ ) of the following triangular prism.





# WorksheetCloud

3. Calculate the volume and capacity (in kl) of the following triangular prism



4. Jerry and his family sell fudge at flea markets. He designed new packaging for the fudge in the form of a triangular prism. The triangular base of the prism has a base of 4,5cm and a perpendicular height of 4,2cm. The Height of the prism is 8cm.
- What is the volume of this packaging?
  - What is the capacity of this packaging in  $l$  (round off to the 2<sup>nd</sup> decimal place)?
  - Theoretically, how many pieces of fudge could the box contain if the volume of each piece was  $8\text{cm}^3$  and the fudge was in cubes?
  - Why would this be a theoretical answer and not necessarily a practical answer?



# WorksheetCloud

