

# Mathematical Applications

1. Convert:

- *One-hundred three degrees Celsius to Fahrenheit*

2. Solve

**APPLICATION PROBLEM**

I can apply my knowledge of multiplication to address the contents of the following problem.

Jack and Kevin are creating a mosaic for art class by using fragments of broken tiles. They want the mosaic to have 100 sections. If each section requires 31.5 tiles, how many tiles will they need to complete the mosaic? Explain your reasoning with a place value chart.

**Utilize target sentences and place value depictions to demonstrate layers of understanding.**

M1; L3

I can engage in a meaningful and effective discussion with my peers.

The image is a graphic with a dark green background. At the top, the words 'APPLICATION PROBLEM' are written in large, bold, red capital letters. Below this, a red line of text reads 'I can apply my knowledge of multiplication to address the contents of the following problem.' A white rectangular area with a black border contains the problem text. Below the problem text, a red line of text reads 'Utilize target sentences and place value depictions to demonstrate layers of understanding.' In the bottom right corner of the white area, the text 'M1; L3' is written in small black font. At the very bottom of the graphic, a yellow line of text reads 'I can engage in a meaningful and effective discussion with my peers.'

3. Solve:

**Nine and one-third subtracted by one and five-sixths.**

- *Convert difference to a decimal.*

4. Complete the volume document attached. *You have already addressed question #1.*



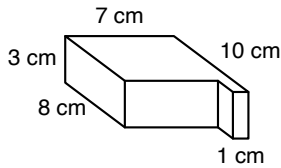
## Calculating Volume

Name: \_\_\_\_\_ Date: \_\_\_\_\_



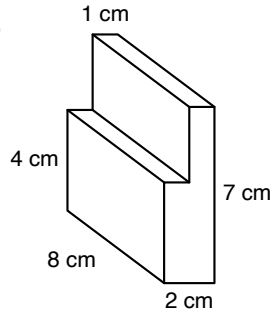
Calculate the volume of each solid.

(1)



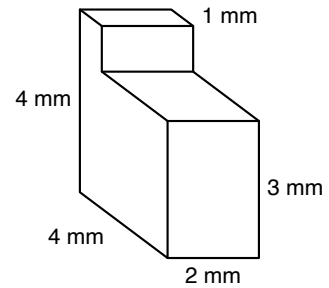
Volume: \_\_\_\_\_

(2)



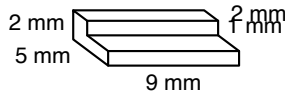
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(3)



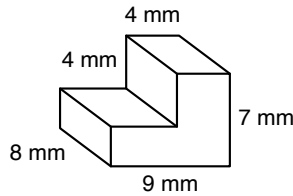
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(4)



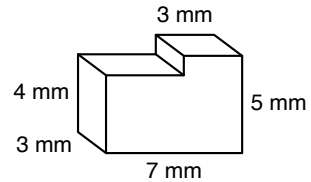
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(5)



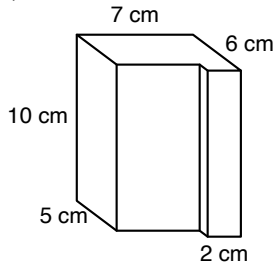
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(6)



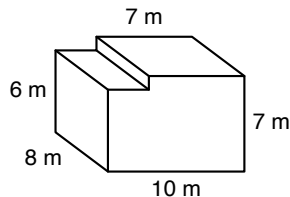
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(7)



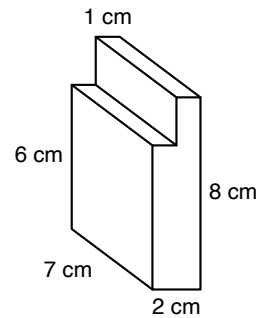
Volume: \_\_\_\_\_

(8)



Volume: \_\_\_\_\_

(9)



Volume: \_\_\_\_\_