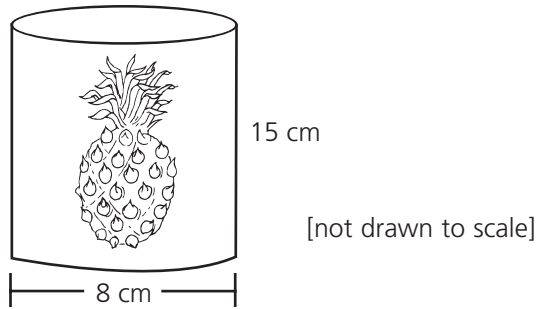


**32**

The diagram below shows a can of pineapple juice in the shape of a cylinder with diameter 8 centimeters and height 15 centimeters.



**Part A**

What is the volume of the can to the nearest cubic centimeter?

**Show your work.**

**Answer:** \_\_\_\_\_ cubic centimeters

**Part B**

On the lines below, explain how you found your answer.

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**33**

The table shows how the Fahrenheit temperature in an oven is increasing over time.

**OVEN TEMPERATURE**

Time (in minutes)	Temperature (°F)
0	50
1	70
2	90
3	110
4	130
5	150

**Part A**

Write an equation that shows the relationship between  $t$ , time in minutes, and  $F$ , the oven temperature in degrees Fahrenheit.

**Equation:** \_\_\_\_\_

**Part B**

On the coordinate grid below, draw a graph to show the relationship between  $t$  and  $F$ . Be sure to put a scale on each axis.

