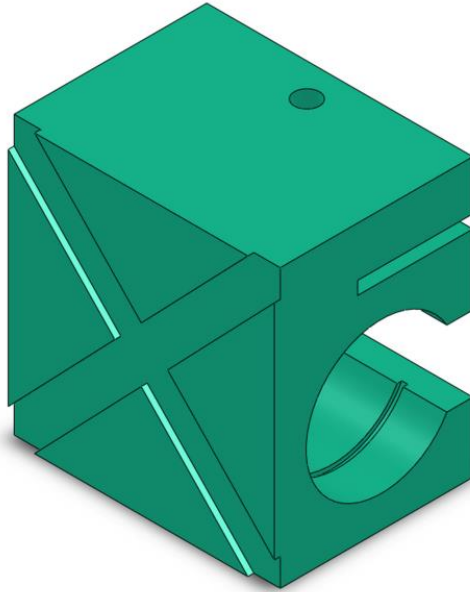


## Practice Question 1A



Please click to enlarge



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## Part Modeling

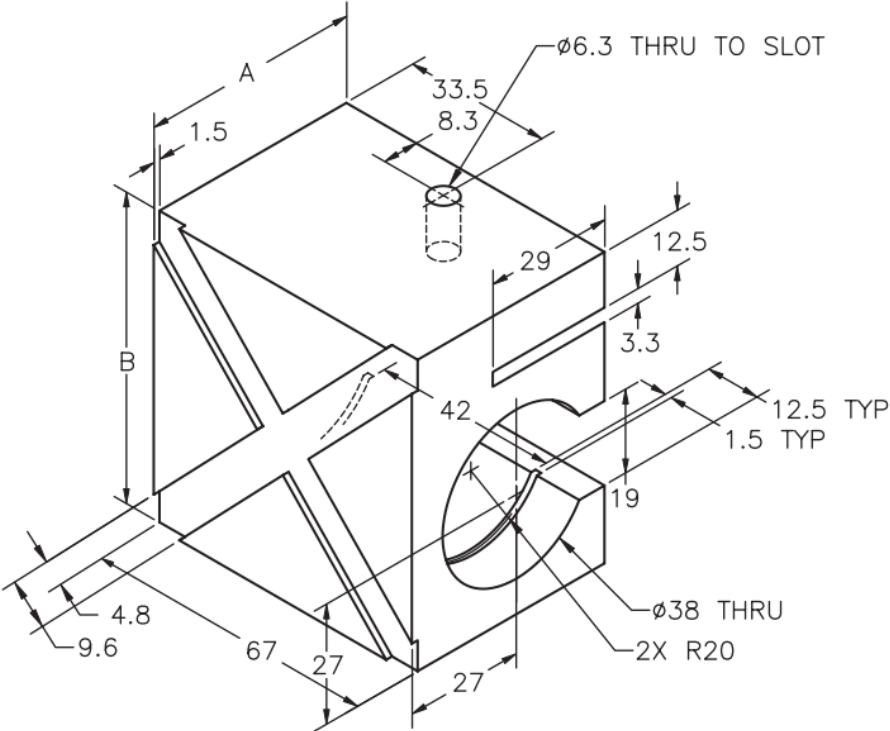
Model the part shown in the figures provided. Use the following information.

- Unit system: MMGS (millimeter, gram, second)
- Decimal places: 2
- Part origin: Arbitrary
- A = 50
- B = 70
- Material: AISI 1020

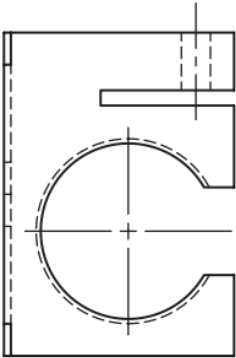
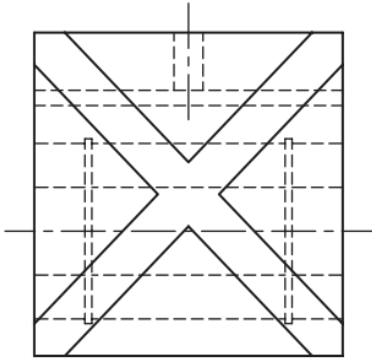
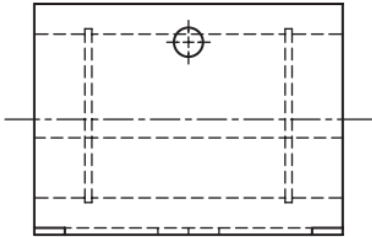
What is the overall mass of the part in grams?

- A. 878.62
- B. 998.54
- C. 1098.32
- D. 1127.72

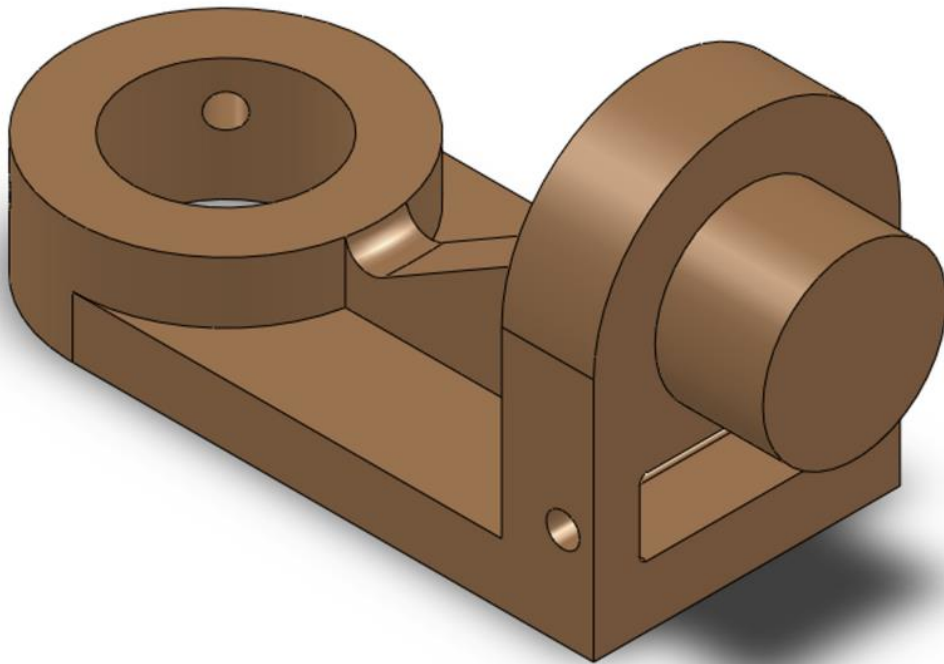
# Practice Question 1B



# Practice Question 1C



## Practice Question 2A



## Practice Question 2.



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## Part Modeling

Model the part shown in the figures provided. Use the following information.

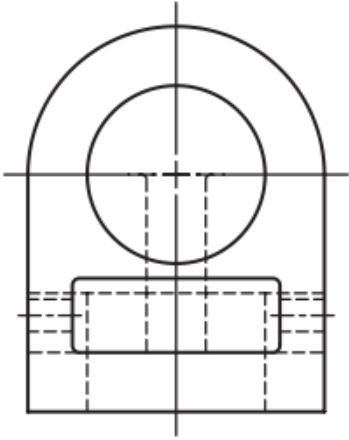
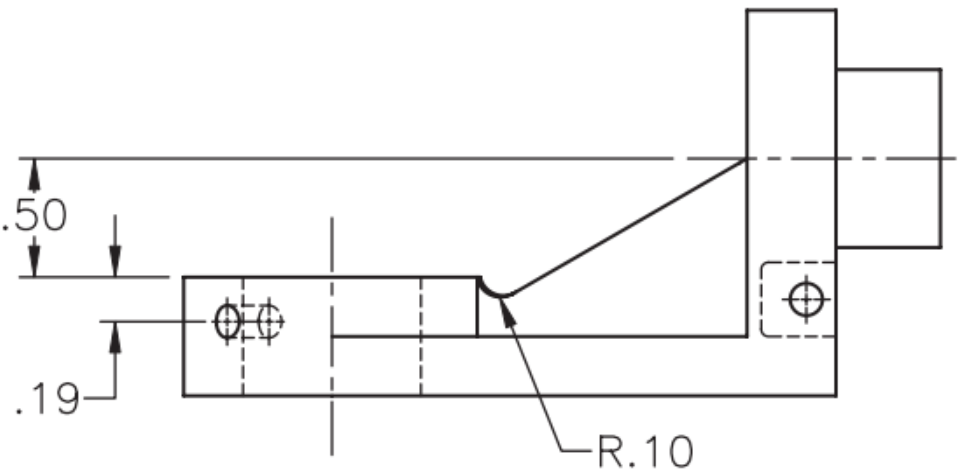
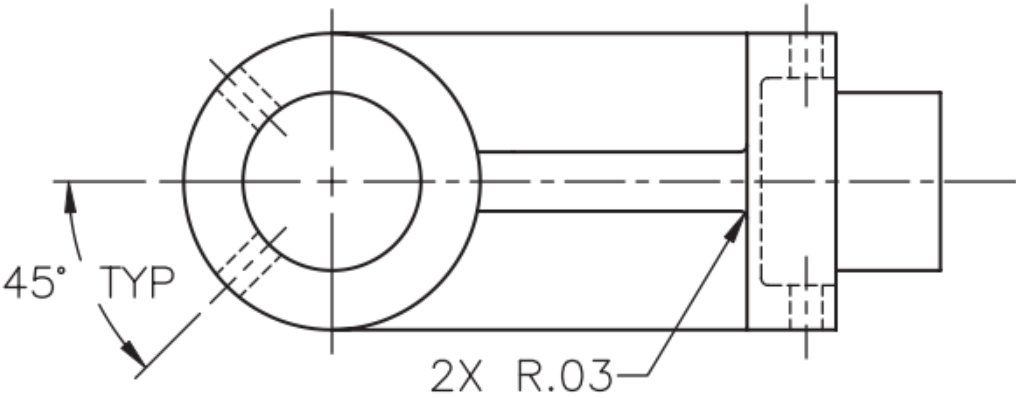
- Unit system: IPS (inch, pound, second)
- Decimal places: 2
- Part origin: Arbitrary
- $A = 2.125$
- $B = 1.25$
- Material: Alloy Steel

What is the overall mass of the part in pounds?

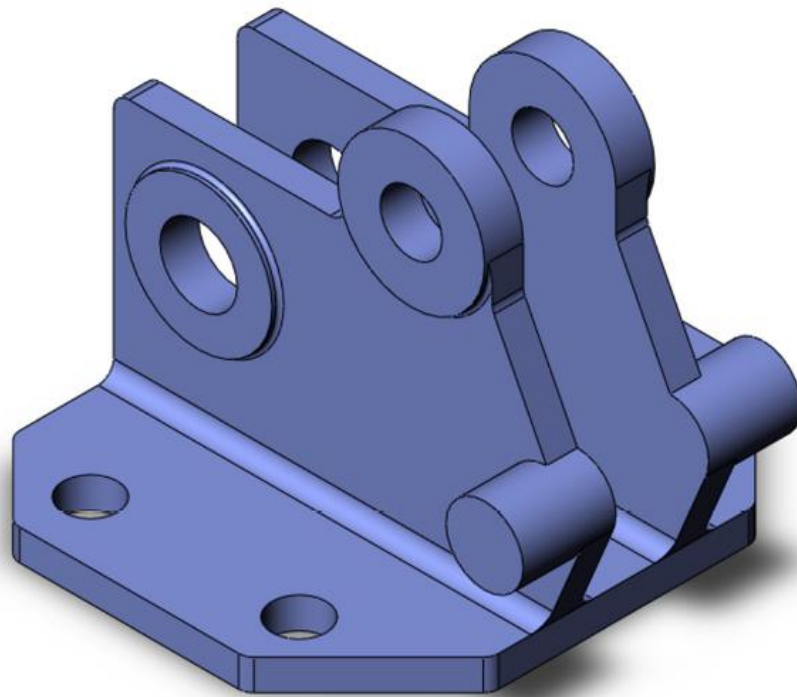
- A. 0.20
- B. 0.47
- C. 0.98
- D. 1.23



# Practice Question 2C



## Practice Question 5A



## Practice Question 5.

### Advanced Part Modeling

Model the part shown in the figures provided. Use the following information.

- Unit system: MMGS (millimeter, gram, second)
- Decimal places: 2
- Part origin: Arbitrary
- $A = 66$
- $B = 56$
- Material: Cast Carbon Steel

What is the overall mass of the part in grams?

- A. 205.19
- B. 237.10
- C. 305.66
- D. 442.33

