|  |  |  |
| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Get the volume in quarts | Divide the volume by 1.057 to convert it into liters | Display the volume in liters |

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| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Get the value in kilometers | Divide the value by 1.609 to convert it into kilometers | Display the value in kilometers |

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| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Get the number of total boxes | Divide the number of total boxes by the number of boxes in each stack to get number of stacks | Display the value |
| Get the number of boxes in each stack | Approximate the number of stacks to the next integer value |  |

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| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Get the number of students | Divide number of students by number of teams to get the quotient | Display number of teams with total members in the teams |
| Get the number of teams | Compute the reminder |  |
|  | Subtract the reminder from the number of teams |  |
|  | Increment the quotient by one |  |

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| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Get the beginning odometer millage reading | Subtract beginning odometer from ending odometer reading to get the total millage | Display millage per gallons |
| Get the ending odometer millage reading | Divide the total millage by the total gallons of gasoline used |  |
| Get number of gallons of gasoline used |  |  |

|  |  |  |
| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Get the age of a person | Subtract the age from 220 to get the maximum heart rate | Display the minimum heart rate after exercise |
|  | Multiply the maximum heart rate by 0.65 to get the minimum heart rate after exercise | Display the maximum heart rate after exercise |
|  | Multiply the maximum heart rate by 0.85 to get the maximum heart rate after exercise |  |

|  |  |  |
| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Regular hours | Multiply regular hours by regular hourly wage to get regular pay  (regPay = regHours \* regWage) | Net pay |
| Regular hourly wage | Multiply the gross pay by 0.15 to get tax  (tax = grossPay \* 0.15) |  |
|  | Subtract tax from gross pay to get net pay  (netPay = grossPay – tax) |  |