Difficult Average

When a problem GIVES THE AVERAGE, follow these steps.

1ST MULTIPLY	2ND ADD	3RD SUBTRACT
the average by the number you are given.	the actual amounts you are given.	the two totals This is the answer.

1. The **AVERAGE** salary is $2,000 for 5 welders. These are the **ACTUAL** salaries for Dan, Ed, Frank, and Carl.

Dan's salary	$2100
Ed's salary	$1900
Jim's salary	$
Frank's salary	$2200
Carl's salary	$2000

   Find Jim's salary.
   ① ② ③ ④ ⑤
   (1)   18
   (2)   180
   (3)   1,800
   (4)   1,900
   (5)   10,000

2. The **AVERAGE** age is 19 for these 4 women. The chart to the right shows the **ACTUAL** ages for Susie, Sarah, and Molly.

Susie's age	16
Sarah's age	20
Molly's age	18
Juana's age is	

   Find Juana's age.
   ① ② ③ ④ ⑤
   (1)   12
   (2)   22
   (3)   54
   (4)   76
   (5)   86

3. The **AVERAGE** age is 25 for these 4 men. The chart to the right shows the **ACTUAL** ages for Steve, Ted, and Joaquin.

Steve's age	28
Ted's age	26
Joaquin's age	22
Juan's age is	

   Find Juan's age.
   ① ② ③ ④ ⑤
   (1)   19
   (2)   21
   (3)   23
   (4)   24
   (5)   26

4. Molly needs to **AVERAGE** $75 per day to meet her budget goal for 5 days. The following are Molly's **ACTUAL** daily salaries.

Monday	$94
Tuesday	$58
Wednesday	$70
Thursday	$82
Friday	$

   How much does Molly need to earn on Friday to meet her goal?
   ① ② ③ ④ ⑤
   (1) $60.80
   (2) $71.00
   (3) $75.00
   (4) $76.00
   (5) $83.00

5. The **AVERAGE** weight of 5 boys is 160 pounds. The following are the **ACTUAL** weights for Julio, Tomas, and Mario.

Julio weighs	152 pounds
Tomas weighs	158 pounds
Mario weighs	168 pounds.
Daniel weighs	
Luis weighs	

   Find Daniel's and Luis's weights.
   ① ② ③ ④ ⑤
   (1)   165 pounds and 150 pounds
   (2)   162 pounds and 156 pounds
   (3)   160 pounds and 162 pounds
   (4)   157 pounds and 168 pounds
   (5)   155 pounds and 172 pounds