Multiplying by One-Digit Numbers Word Problems

a. If the average weight of a male European panther is 191.80 pounds, find the weight of 3 male European panthers if they all have the same average weight.

b. Every month, David serves up $12,689.
   How much money will David serve up in 5 months' time?

c. There were 178 motorcycles during last week's race.
   How many tires were there altogether if each motorcycle had 3 tires?

d. If a plane travels 854 miles per hour,
   How many miles can it travel in 8 hours?

e. Find the number of days in 938 weeks

f. Find the number of days in 6 years
a. Average weight of a male European panther = 191.80 pounds or 191.8 pounds
   Number of panthers = 3
   Therefore, total weights of 3 panther =
   \[
   \text{Average weight of a male European panther} \times \text{Number of panthers} = 191.8 \times 3 = ?
   \]
   Let's multiply 191.8 \times 3
   How do you multiply numbers with decimals?
   First multiply numbers without decimals:
   Then, count numbers of digits after the point and add it to the result
   \[
   1918 \times 3 = 5754
   \]
   So, the weight of 3 male European panther is 575.4 pounds.

b. David will serves up $63,445 in 5 months.

c. There were 534 tires in all.

d. The plane can travel 6,832 miles in 8 hours.

e. There are 6,566 days in 938 weeks.

f. There are 2,190 days in 6 years.