

Name: Class:

Adding And Subtracting Decimals Word Problems

a.

Sean, Archer, and Kameron are all friends. Sean is 65.68 inches tall, Archer is 4.39 feet tall, and Kameron is 31.66 inches tall.

What is the total height of all the friends in inches?

b.

Mr Joe went to the farmers market to buy some groceries. He bought a bunch of bananas for \$4.66, three baskets of eggplant for \$6.24, and a basket of apples for \$5.71 each.

How much more did he spend on eggplants than on a bunch of bananas and a basket of apples?

c.

Andre scored 128.55 points in an online game, Manuel scored 90.30 points.

If they scored a total of 218.85 points, how many more points did Andre scored than Manuel?

d.

Phoenix bought 5 tables and 7 chairs. If each table cost \$35.83 and each chair cost half the amount the cost of each table.

How much more did he spend on tables than chairs?

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- a. Archer's height = 4.39 feet
 Sean's height = 65.68 inches.
 Kameron's height = 31.66 inches
 Archers height in inches = Archers height in feet × number of inches in one foot.
 $4.39 \times 12 = ?$
 Let's multiply 4.39×12

$$\begin{array}{r}
 4.39 \\
 \times 12 \\
 \hline
 878 \\
 \times 4390 \\
 \hline
 5268
 \end{array}$$

Then count numbers of digits after dot and move dot to the result at the right position
 $4.39 \times 12 = 52.68$

Therefore, total height of all the friends in inches =
 Archers height in inches + Sean's height + Kameron's height.

$$65.68 + 52.68 + 31.66 = 150.02$$

The total height of all the friends is 150.02 inches.

- b. Mr Joe spent \$2.02 more on eggplant than on babanas. He also spent \$0.53 more on eggplants than on apples.

- c. Andre scored 38.25 more points than Manuel.

- d. Phoenix spent \$53.745 more on tables than on chairs.