**Decimal Homework** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the following decimal problems using estimation and then performing the actual math calculations.

|  |  |  |
| --- | --- | --- |
| **Problem** | **Estimate** | **Actual Answer** |
| **1) 1.5 + 2.3** |  |  |
| **2) 8.16 – 7.02** |  |  |
| **3) 11.4 – 8.32** |  |  |
| **4) 6.2 x .8** |  |  |
| **5) 3.02 x 4.5** |  |  |
| **6) 9.1 ÷ 7** |  |  |
| **7) 3.04 ÷ 0.16** |  |  |

Solve the Following Word Problems with estimation and performing actual math calculations. Write your answers out in full sentence form.

8. Jan had 15.75 yds of material and needed 2.5 yds for each puppet she wanted to make. How many puppets   
 can she make?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions

1. Mrs. Rainey jogged around the track for 18.25 minutes. If each lap took 2.75 minutes, how many laps did she jog?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions

1. Two sixth-grade classes are collecting money to buy a present for one of their teachers. One class collected $24.68 and the other class collected $30.25. How much money did they collect in all?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions

1. On the highway, Anita drove an average speed of 60.2 miles per hour. At the speed, about how far can she travel in three and a half hours?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions

1. From the word problem in problem 11, if Anita drove at that same speed, about how many hours will it take Anita to drive 400 miles?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions

1. The average male brain weighs 49.7 ounces. The average female brain weighs 44.6 ounces. What is the difference in their weights?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions

1. The book store is having a sale on bookmarks. Each bookmark is on sale for $0.84. Each student in Ms. Duke's class decides to buy a bookmark. There are 23 students in Ms. Duke's class. How much will the class spend on bookmarks at the book store?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions

1. Dave pays $1.75 for a school lunch on days when he doesn't bring his own lunch to school. One week he bought a school lunch on Monday, Wednesday, Thursday, and Friday. How much did he spend on school lunches that week?

Show your estimation work:

Show your estimation work:

Write a full detailed sentence to answer the questions