

## WORD PROBLEMS - ESTIMATION

## ANSWERS

1. Henry started a dog-walking service in his neighborhood. He charges \$15.00 per hour. He made \$611.00 in two weeks. Approximately how much did he make in one week?

\$611 is about \$600  
 $\$600 / 2 = \mathbf{\$300.00}$

3. The local movie theater has a Monday special where all tickets cost \$4.15. Estimate how much it would cost a family of five to go see a movie.

\$4.15 --> \$4.00  
 $\$4.00 \times 5 = \mathbf{\$20.00}$

5. Carolyn rides 2.3 miles from her house to school and then 1.82 miles from school to the soccer field. She does this five days a week. Approximately how far does she ride per week?

2.3 --> 2 miles & 1.82 --> 2 miles  
 $2 \times 2 = 4$  miles per day  
 $4 \text{ miles} \times 5 \text{ days} = \mathbf{20 \text{ miles}}$

7. Jerry and Ben both ran a one mile race. Jerry's time was 4 minutes and 41 seconds and Ben's time was 5 minutes and 17 seconds. What was their approximate combined time?

4 minutes and 42 seconds --> 5 minutes  
5 minutes and 17 seconds --> 5 minutes  
 $5 + 5 = \mathbf{10 \text{ minutes}}$

2. Toni went to the comic store. While there he purchased a movie poster for \$7.98 and an action figure for \$15.10. About how much did he spend?

\$ 7.98 --> \$ 8.00  
\$15.10 --> \$15.00  
Total: **\$23.00**

4. Paula plans on buying four shirts. The cost of each shirt ranges from \$9.99 to \$13.99. What would be a reasonable total cost for the shirts?

\$ 9.99 --> \$10.00  
\$13.99 --> \$14.00  
\$12 is in the middle of \$10 and \$14  
 $\$12.00 \times 4 = \mathbf{\$48.00}$

6. Huna wants to plant flowers in her backyard. She has a spot that is 3.8 feet by 3.1 feet. If two flowers can fit in each square foot, about how many flowers will she be able to plant in the given area?

( Area = l x w )

(3.8 - 4ft & 3.1 - 3ft)  $4\text{ft} \times 3\text{ft} = 12$  square ft  
 $12 \text{ square ft} \times 2 \text{ flowers} = \mathbf{24 \text{ flowers}}$

8. Two workers took 11 hours and 18 minutes to unload four trucks.

A. Estimate how long it took to unload each truck.

B. Estimate how long it would take one worker to unload four trucks.

A. 11 hrs, 18 minutes --> 12 hrs / 4 = **3 hrs**

Used 12 because it's divisible by 4

B. 11 hrs x 2 = **22 hrs**