Name: .... Class: ....

Add, subtract, multiply, and divide decimals: word problems

a. Larry is a waiter in a restaurant. He earns $ 256.25 from his job. If he worked 22.5 hours this month, then how much did he earn per hour? Round your answer to the nearest cent.

b. Rita ordered 9 pizzas for her and her friends. Each pizza costs $ 17.55. How much does she need to pay?

c. The tallest tree in a national park is 456.4 meters. The second tallest tree in the same national park is 425.75 meters. How much taller is the tallest tree?

mathskills4kids

Name: .... Class: ....

Add, subtract, multiply, and divide decimals: word problems

a. Larry is a waiter in a restaurant. He earns $ 256.25 from his job. If he worked 22.5 hours this month, then how much did he earn per hour? Round your answer to the nearest cent.

To solve this problem let's divide $ 256.25 by 22.5

22.5 | 256.25

```
            11.388
225 | 2562.500    ← to round to the nearest cent,
    - 225           divide to thousandths
      312
    - 225
      875
    - 675
      2000
    - 1800
      2000
    - 1800
       200    ← Stop    11.388 = 11.39 to the nearest cents
```

So, Larry earned $ 11.39 per hour

b. Rita ordered 9 pizzas for her and her friends. Each pizza costs $ 17.55. How much does she need to pay?

Cost of each pizza = $ 17 .55

Number of pizzas = 9

Therefore, total amount spent = 17.55 x 9 = 157 . 95

So, Rita need to pay $ 157.95

c. The tallest tree in a national park is 456.4 meters. The second tallest tree in the same national park is 425.75 meters. How much taller is the tallest tree?

To solve this problem let's subtract the height of the second tallest tree from the tallest tree

456 . 40 - 425 . 75 = 30.65

So, the tallest tree is 30.65 taller than the second tallest tree