Name _____ Date _____

The Attributes of Data and Units of Measure - Guided Lesson Explanation

Explanation#1

a) Divide the total price by the number of items.

Date	Number of Item	Total Price of Item Purchased	Price per item
25 July	30	45	1.5
26 July	50	130	2.6
27 July	60	108	1.8

Price of per item = Total Price of Item Purchased / Number of Item

25 July = 45 / 30 = 1.5 price of per item

26 July = 130 / 50 = 2.6 price of per item

27 July = 108 / 60 = 1.8 price of per item

b. Total price of item purchased is

45 + 130 + 108 = $283

We have a total budget of $275

So, the expenses were exceeded by 283 – 275 = $8

So the answer is: $8.

C. We are looking for the day with the highest price per item.

26 July = 130 / 50 = **2.6 price of per item**

So on 26 July he bought expensive items.

Name _____ Date _____

Explanation#2

Student	Miles driven	Time in Minutes	Miles per minutes
One	15 miles	4 min	
Two	17 miles	6 min	
Three	16 miles	7 min	

Miles per minutes = Miles Driven / Time in minutes

One = 15 / 4 = 3.75 Miles per minutes

Two = 17 / 6 = 2.83 Miles per minutes

Three = 16 / 7 = 2.28 Miles per minutes

b) The student moving the fastest will get home first. It will be student one.

c) The fastest person is moving at 3.75 mile per minute.

So, they will cover 100 miles in

Student one = 100 ÷ 3.75 = 26.66 minutes

Explanation#3

a) Calories burned per minutes = $\frac{\text{Calories}}{\text{Time in minutes}}$

Jordon = $\frac{\mathbf{200}}{\mathbf{20}}$ = 10 Calories burned per minute

Mike = $\frac{\mathbf{180}}{\mathbf{25}}$ = 7.2 Calories burned per minute

Jordon burns calories faster.

b) We know that Jordon burns 10 calories per minute at that pace. If he walks 20 minutes the number of calories he burns would be:

20 x 10 = 200 calories