Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_

***5.1B HW***

*Which one is better to buy? Round your answer to the nearest cent.*

|  |  |
| --- | --- |
| 1. A 12.5 oz bag of Doritos for $3.79 or a 3 oz bag for $1.00.
 | 1. 12 bars of soap for $10.00 or 5 bars of soap for $4.00
 |
| 1. A box of 84 penguins for $1,597 or a bag of 50 penguins for $795.95.
 | 1. 5 gallon bucket of paint for $97.45 of a 1 gallon bucket of paint for $21.95.
 |
| 1. 48 oz big gulp for $1.39 or a 32 oz coke for $0.89.
 | 1. 50 head of cattle for $24,500 or a 37 head of cattle for $18,870.
 |

**BACK 🡪**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**LAWN MOWING**

This problem give the students the chance to solve a practical problem involving ratios and using proportional reasoning.

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Dan and Alan take turns cutting the grass. Their lawn is 60 yards long and 40 yards wide.

1. What is the area of the yard? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dan takes an hour to cut the lawn using an old mower.

1. How many square yard does Dan cut in a minute? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Alan only takes 40 minutes using a new mower.

1. How many square yards does Alan cut in a minute? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is the UNIT RATE for Dan and Alan? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Which person mow the lawn the fastest? Explain using the unit rate in your sentence.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_