Project

"School Band Fundraiser"

Scenario: The school band decided to raise money by holding a car wash. The band spent $32 to buy the needed supplies. They will charge $5 for each car that they wash.

1. Create a table showing the money the band will make for washing 1 through 6 cars. **(label the table: cars and price)**

2. What will be the band's profit for washing 40 cars? (Hint: You must subtract what you spent on supplies from the total.) **Show work**

3. During the day, could the band ever have a profit of **exactly** $107?
   a) **_Show work:_**

   b) **_Explain your answer:_**

Scenario: The school band decides to also sale car air freshers to raise money. Three local stores donate the air freshers and tells the band to keep the profits. They will sell the air freshers at different prices based on the product.

Air Fresher #1 Quantity	3	5	8	12
Cost ($)	$5.88	$9.80	$15.69	$23.52

1. What is the unit rate for Air Fresher #1? **Show work**

2. Is this chart proportional?
   a) **Show work:**

   b) **Explain your answer:**

Air Fresher #2 Quantity	3	5	8	12
Cost ($)	$5.73	$9.55	$15.28	$22.90

1. What is the unit rate for Air Fresher #2? **Show work**

2. Is this chart proportional?
   a) **Show work:**

   b) **Explain your answer:**

Air Fresher #3 Quantity	3	5	8	12
Cost ($)	$5.94	$9.90	$15.84	$23.76

1. What is the unit rate for Air Fresher #3? **Show work**

2. Is this chart proportional?
   a) **Show work:**

   b) **Explain your answer:**

Determine: Which chart is proportional? Now write an equation for the proportional chart only. (Hint: Use y = kx)