Warm-Up Questions

These questions use information from the Spr-outstanding Lawn Maintenance reference sheet. **Show your work.**

1. How much was the total initial investment in the company?

the siblings investment + Charles investment

$1,500 + $1000 = $2500

Therefore the total initial investment was $2,500.00

2. What percentage of the total initial investment in the company did Charley contribute?

$\frac{1000}{2500} = .40$

40% of the total initial investment was contributed by Charley

3. The current value of the riding mower is 60% of the original purchase price. What was the original purchase price?

100% - 60% = 40%

40% of $2,500

.40 x 2500

$1000

$1000 + $2500 = $3500

The original price of the riding mower is $3500

4. What is the total value of the equipment owned by August, Blair, and Charley?

$2500 + $300 + $300 + $150 + $150 + $400 = $3800 Total

riding mower, push mowers, hedge trimmers, variety of tools

The total value is $3800

5. What percent of the total value of the equipment is hedge trimmers?

2 trimmers = 150 + 150 = 300

$\frac{300}{3800} \approx .08$

The trimmers are 8% of the total value

This space is for your solution for the **Spr-outstanding Lawn Maintenance** Task. If you require extra space, you may use the back of this page.

Initial investments

Siblings	$1500 ÷ 1000 $750 each sibling	Ratio 1.5 to 1
Charles	$1000 ÷ 1000	

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	Total money	Total money when everything is even
Blair	$2175.00	$2055.00
August	$2175.00	$1605.00
Charles	$2900.00	$2740.00

I think my methods of dividing the tools and money is fair because it follows the ratio of all of their initial investments. So it's a 1 to .75 ratio that way they got out what they put in which they would is the fairest and simplest way to do it. also with August he gets to keep the equipment but it is only considered as money and what it's worth and if Charley and Blair are unhappy with August having both equipment and money a deal could be made in which August must pay Blair and Charles a certain amount and then it will be fair.

amount of money that they acquired

Ratio siblings each: .5 ÷ 2 siblings in total .75

Blair	$750 + $750 = $1500 + $525 $2025 + $30 = $2055	Ratio .75
August	One push mower and one hedge trimmer $300 + $150 = $450 + $300 = $750 + $750 = ...	.75 to $\frac{75}{100}$ = ...%
Charles	$1000 + $1000 = $2000 + $700 $2700 + $40 $2740	1.0

Total money to divide

$6,400 - $1750 = $4650 - $300 = 4350 - 1000 - 750 - 750 = 1850 - $700 - 525 - 525 = 100 - 40 - 30 - 30 = 0 all money drawn

Variety of tools = $400 - $160 - 120 - 120 = 0

Blair	$120.00
August	$120.00
Charley	$180.00

I think selling the tools and dividing up the money is the fairest way.

Blair	$\frac{2175}{750}$	290%
August	$\frac{2175}{750}$	290%
Charley	$\frac{2900}{1000}$	290%

all equal percentage of improved money values

Is there work on the back page? YES ☐ NO ☐

Warm-Up Questions

These questions use information from the Spr-outstanding Lawn Maintenance reference sheet. **Show your work.**

1. How much was the total initial investment in the company?

2500
+300x2
+150x2
400
1500
1,000

∴ the total initial investment to the company was 2,500

2. What percentage of the total initial investment in the company did Charley contribute?

$\frac{1000}{6,300} = 0.158 \rightarrow .16\%$

in the initial investment charley contributed .16% of the initial investment

3. The current value of the riding mower is 60% of the original purchase price.
What was the original purchase price?

I think .60 x 2,500
=1500
2,500 + 1500
=4000 the original price was 4000

4. What is the total value of the equipment owned by August, Blair, and Charley?

2,500
+300x2
+150x2
+400
= 3800 the value of the equipment was 3800

5. What percent of the total value of the equipment is hedge trimmers?

$\frac{300}{3800} = .07\%$

.07% of the equipment is Hedge trimmers

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+ I think they should all get close to equil amounts

D

I think we should start by dividing the amount into three then -150 from August because he wants to keep a hedge trimmer then add 500 to charleys because he added 1000 at the start but we want it to be similar for every one so -250 from August and Blairs pay check

August	Blair	charley
2133	2133	2133
-150	+100	+500
-250	=250	+9683
= 1733	=1983	=2683

now they all have pay checks for the amount they did for this job.

But I think the new company should pay them more

Is there work on the back page? YES ☐ NO ☐