

Name: _____

Date: 12-12-0

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.



Wayne has a tight money

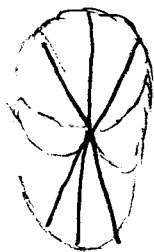
$$\begin{array}{r} 8 \leftarrow 16 \\ 8 \leftarrow 16 \\ + 8 \leftarrow 8 \\ \hline 24 \end{array} \quad \begin{array}{r} 16 \\ + 8 \\ \hline 24 \end{array}$$

Maria has a lot more money than Wayne.

Marie's $\boxed{24} \boxed{24} \boxed{24}$

?
 $\boxed{80}$

Wayne's $\boxed{8}$
?
1



$$\begin{array}{r} 2 \\ 24 \\ 24 \\ 24 \\ + 8 \\ \hline 80 \end{array}$$

Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.

$$\begin{array}{|c|} \hline \bullet \quad \bullet \\ \hline \bullet \\ \hline \end{array} \times \begin{array}{|c|} \hline \bullet \quad \bullet \\ \hline \bullet \quad \bullet \\ \hline \end{array} = \begin{array}{|c|} \hline 12 \\ \hline \end{array} \times \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \bullet \quad \bullet \\ \hline \bullet \\ \hline \end{array} \times \begin{array}{|c|} \hline \bullet \quad \bullet \\ \hline \bullet \quad \bullet \\ \hline \end{array} = \begin{array}{r} 12 \\ \times 2 \\ \hline 24 \end{array}$$

$$\begin{array}{|c|} \hline \bullet \quad \bullet \\ \hline \bullet \\ \hline \end{array} \times \begin{array}{|c|} \hline \bullet \quad \bullet \\ \hline \bullet \quad \bullet \\ \hline \end{array} = \begin{array}{r} 12 \\ \times 3 \\ \hline 36 \end{array}$$

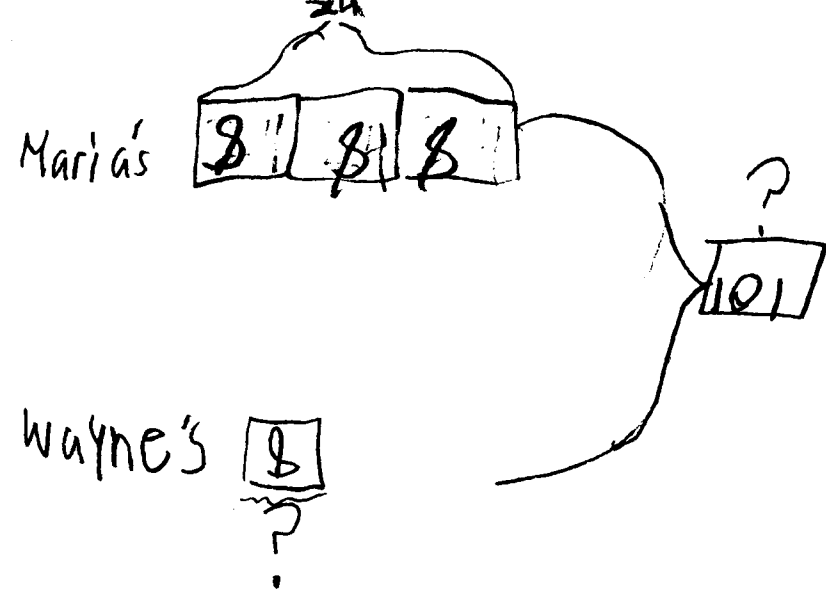
$$\begin{array}{r} 12 \\ \times 3 \\ \hline 36 \end{array}$$

$$8 \times 3 = 24$$

$$3 \times 8 = 24$$

$$4 \times 6 = 24$$

$$6 \times 4 = 24$$



How much did
Maria $\text{\pounds}$

A I will remainder Charlie's way
how he bid it next time
if we have the same thing
I will round the same thing
in 50p

Name: _

Date: 12-12-08

Teacher: Ms. Jackson

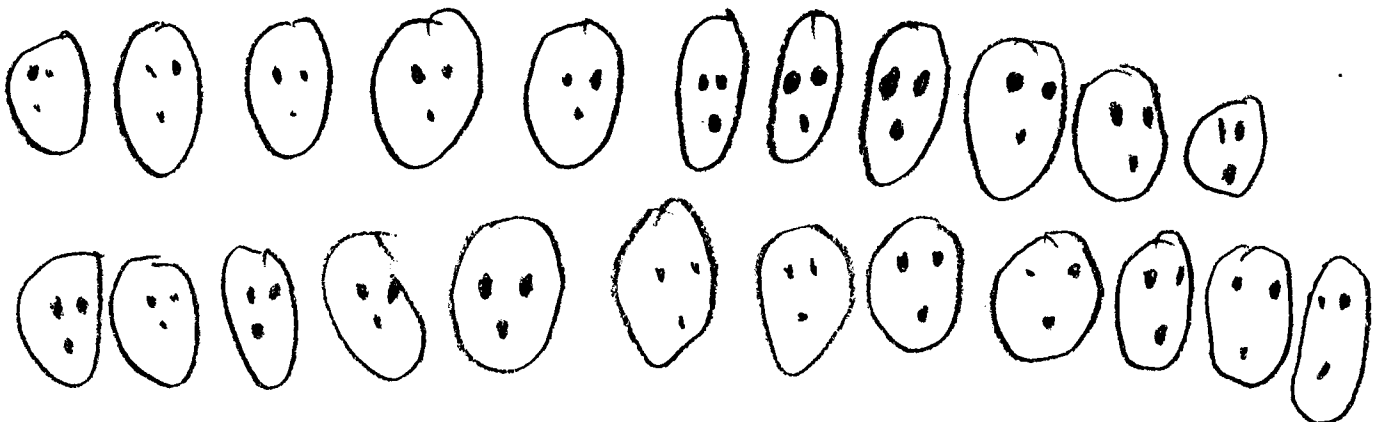
Maria saved \$24.

She saved 3 times as much as Wayne.

$$24 \times 3 = \overset{72}{\cancel{72}}$$

$$\cancel{24} + \cancel{24} + \cancel{24} =$$

~~24~~

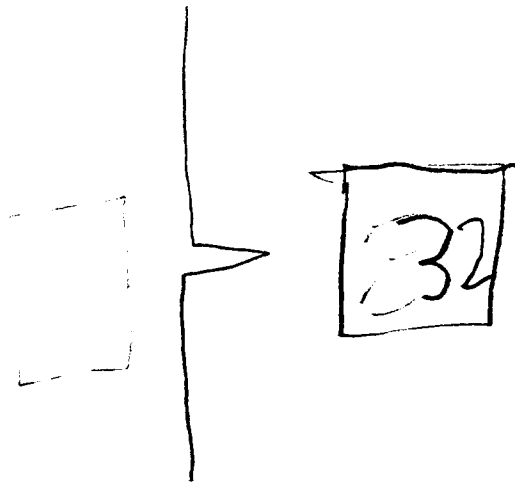


I think Charlie is trying to think how many money do Maria and Wayne got.

charlies way

\$24

\$ Maria



Wayne



72

I will ~~not~~ remember
charlies way because

he did multiplication and I could need
help on Multiplication. Char lies way could
help me on math. Charlies way will help
me on drawing.

Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.

Handwritten student work for the problem:

Maria's side:

- A drawing of a girl labeled "maria" with an arrow pointing to her.
- A box containing the number 24.
- Three boxes containing the number 24, with the text "this division" written above them.
- The equation $8 \times 3 = 24$ written below the boxes.
- A multiplication problem: $\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$

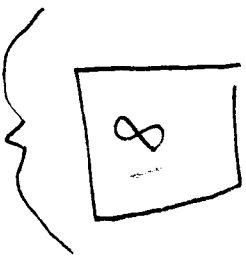
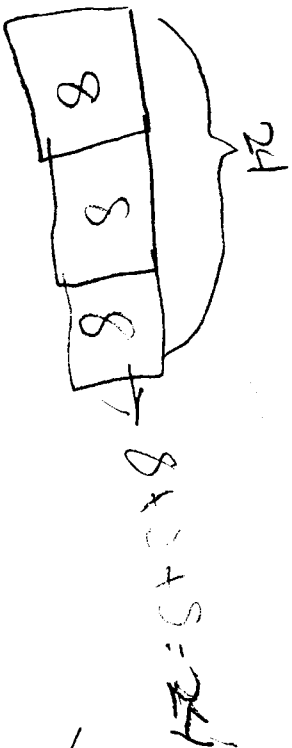
Wayne's side:

- The equation $24 \div 3 = 8$ written at the top.
- A box containing the equation $8 \times 3 = 24$.
- A drawing of a boy labeled "wayne" with an arrow pointing to him.
- Three boxes containing the number 8.

Other:

- A small drawing of a house or building at the bottom left.

Charlie's way



8's together 24's

I will ^{also} remember that Charlie put it easier to distribute it. It was sort of hard but easy at the same time. I'm not sure what else I will remember.

Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

$$82$$

Maria saved \$24.

She saved 3 times as much as Wayne.

Maria



Wayne



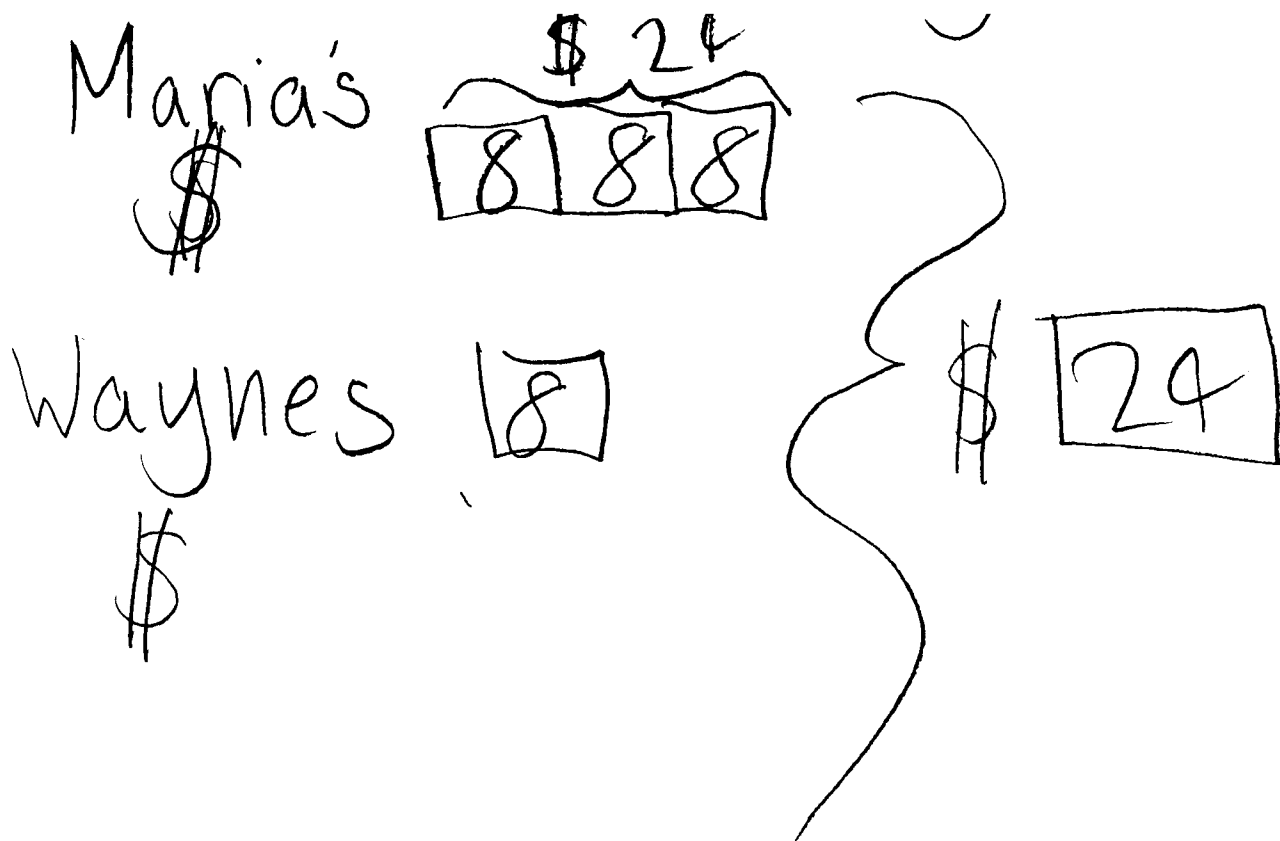
8 dollars

24
dollars

Wayne has 8 dollars

Maria has 3 x the
money as Wayne
because $8 \times 3 = 24$.

Also $24 \div 3$



Wayne saved 8 dollars.

Maria and Wayne
saved \$32 all together.

That - Charlie didn't
do anything.

He copied my idea.
He did it a good
and easy way.

Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.

~~18~~
 $3 \overline{) 24}$ product

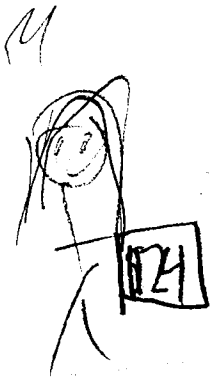
$3 \times 8 = 24$

24 split it in 3 groups
8 8 8 to get the answer 24
you counting
by 8's

$8 \overline{) 24}$
1 2 3

3 times as much as

wayne $8 \times 8 \times 8 = 24$



Wayne
has 8.

Johnayne saved \$8

2. The both saved \$24

3 groups of 8

$$= 24$$

$$\begin{array}{r} 24 \\ 3 \overline{) 72} \\ \underline{60} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

Maria's

\$



$$\begin{array}{r} 16 \\ 8 + 8 = 16 \\ 16 + 8 = 24 \end{array}$$

$$3 \times 8 = 24$$

$$\begin{array}{r} 32 \\ 3 \overline{) 32} \\ \underline{24} \\ 8 \end{array}$$

For group writing

Wayne's

\$



bottom
wayne's
money
has
\$8

I think charlie's way was
write because 3 groups
of 8 = 24. That is how much
Maria has and on the

I'll remember by m
Maria and Wayne has \$32

Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.

$$\boxed{24} = \boxed{24} + \boxed{24}$$

$$\boxed{8}$$

how much money

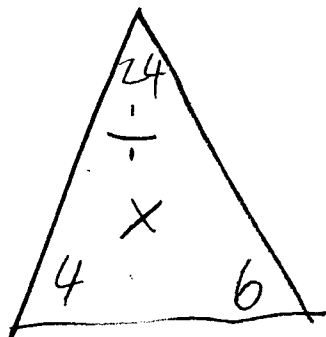
$$\boxed{8}$$

Maria
has?

$$\boxed{8}$$

Maria
has \$24.

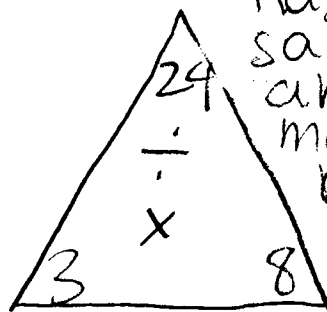
$$\underline{\$24}$$



Wayne

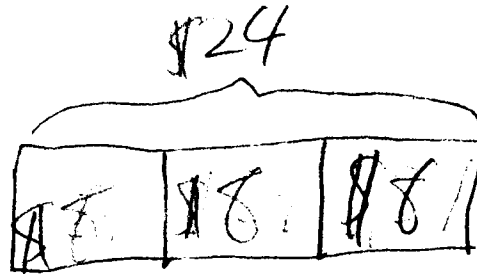
$$\boxed{8} + \boxed{8} + \boxed{8} = \$24$$

Wayne
has the
same
amount of
money
as Maria



Charlie's Way

Maria's
\$



Wayne's
\$



\$32

Wayne saved \$8 dollars.
Altogether Maria and Wayne saved
\$32 dollars / I think Charlie is trying to
find out how much money Wayne has.

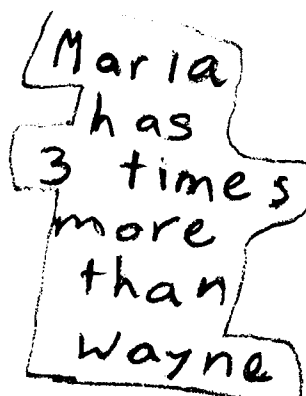
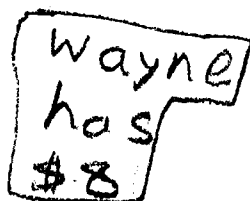
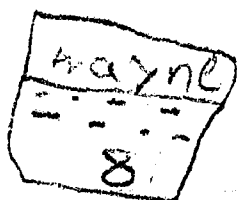
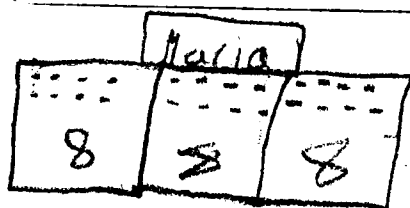
Name: _

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.



Charlie's way

All together

Maria's
\$

\$24



\$32

Wayne's
\$

\$16
\$16

\$8

Wayne saved
\$8 dollars

They both
saved \$32
dollars

16
+ 16
32

\$16

\$16

I would remember about Charlie's way. It's easy and I like the Charlie did. I would remember the way the groups, and the boxes, and circles, and numbers.

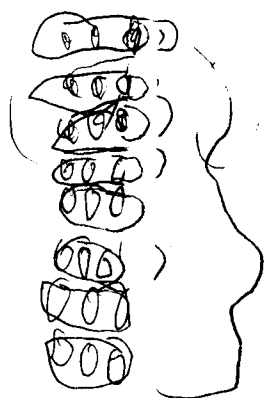
Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.



= 8 groups of three

$$3 \times 8 = 24$$

Charliesway

Maria's $\$24$

8	8	8
---	---	---

Wane's

8

8

32

I'm not
sure.

Wane saved \$8.00
They saved \$192.00 altogether.

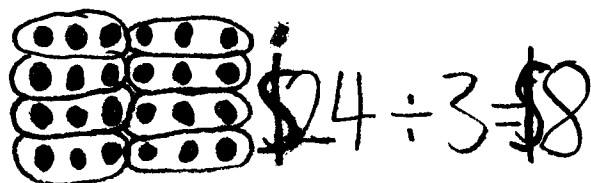
Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.



Wayne = \$8

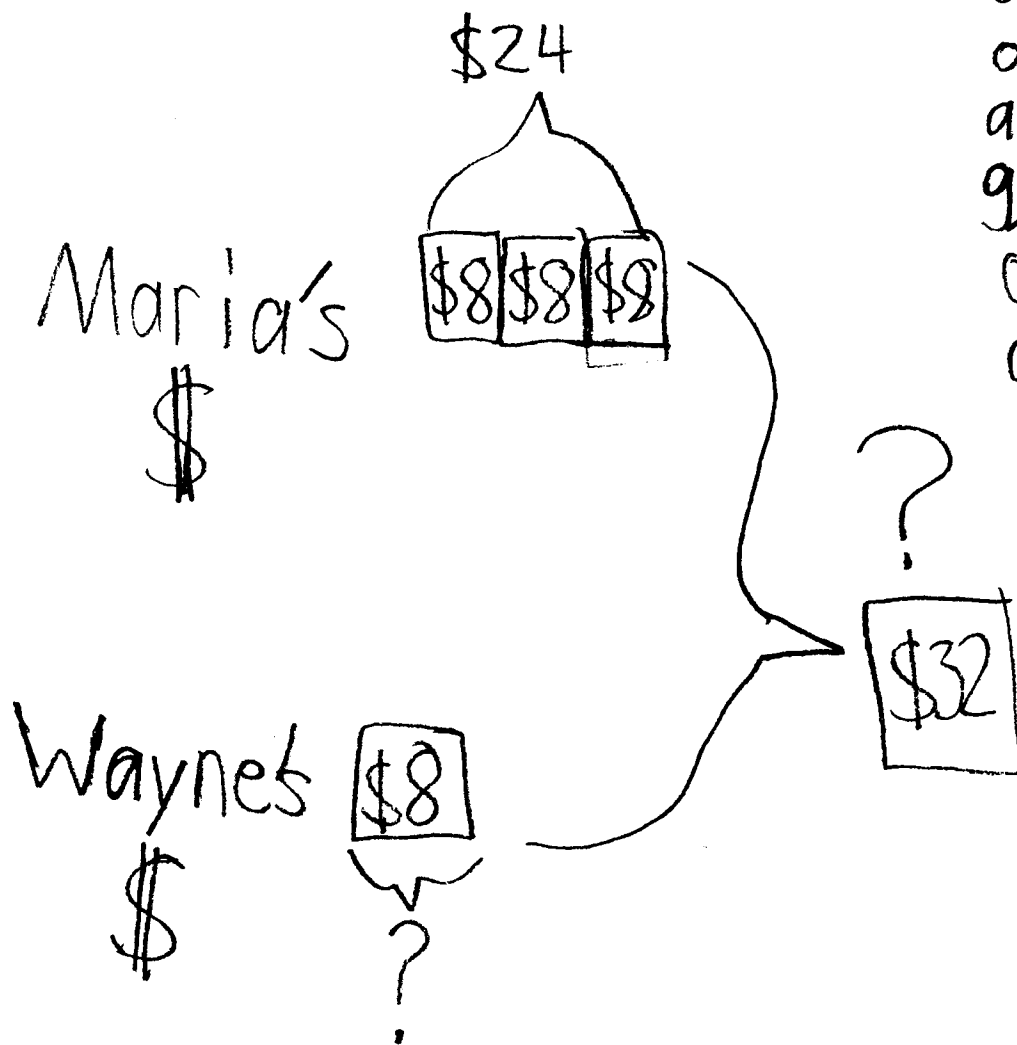
Maria = \$24



It was kind of confusing on what to write on the blue square.

One thing I like about it is that it answered all the questions.

One thing I dislike about it is that it is kind of confusing.



They saved \$32.

Wayne saved \$8.

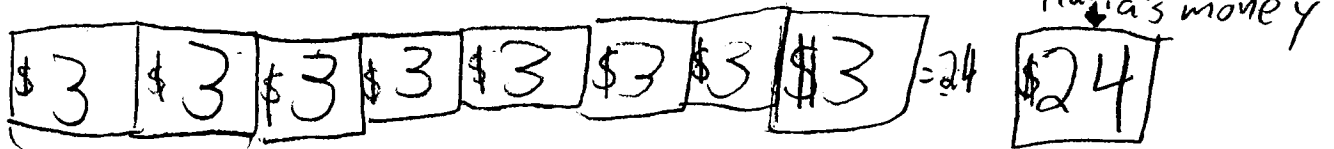
Name: _____

Date: 12-12-08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.



$$3 \times 8 = 24$$

$$8 \times 3 = 24$$

$$24 \div 8 = 3$$

$$24 \div 3 = 8$$

Wayne's
money

\$8

Maria and Wayne have 32 dollars all together so Maria has 3 times more money than Wayne ~~and~~ so Wayne has 8.

\$24

Kaylah

Maria's
\$

\$8 \$8 \$8

$$\begin{array}{r} 24 \\ + 8 \\ \hline 32 \end{array}$$

32

Wayne's

\$8

\$

8

1st

2nd

3rd

I liked it that he put all the money together.

I remember that he showed Maria's and Wayne's money.

I thought it was a good strategy.

Name: _____

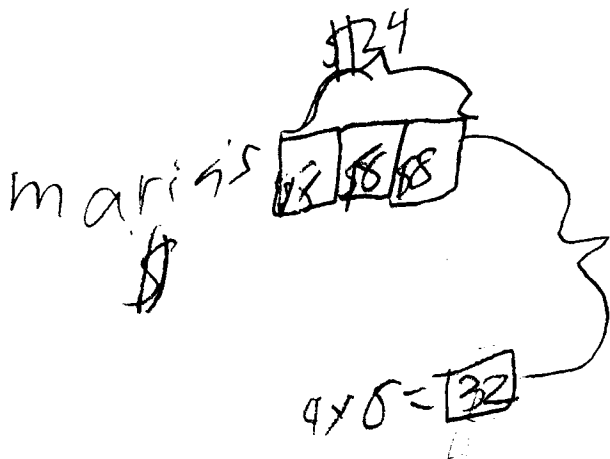
Date: 12/12/08

Teacher: Ms. Jackson

Maria saved \$24.

She saved 3 times as much as Wayne.

charlie's way



Wayne's

\$ 8
W
?