

Name: _____

Date: 12-12-0

Teacher: Ms. Jackson

Maria saved \$24.
She saved 3 times as much as Wayne.



Wayne had's
a tight money

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

Maria has a lot more money than Wayne.

Marie's

24	24	24
----	----	----

?
80

Wayne's

8

?



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

Name: _____

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Maria saved \$24.

She saved 3 times as much as Wayne.

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

$$\begin{array}{|c|} \hline \bullet \bullet \\ \hline \bullet \\ \hline \end{array} \times \begin{array}{|c|} \hline \bullet \bullet \\ \hline \bullet \bullet \\ \hline \end{array} = \begin{array}{r} 12 \\ \times 12 \\ \hline 15 \\ \hline \end{array} \times$$

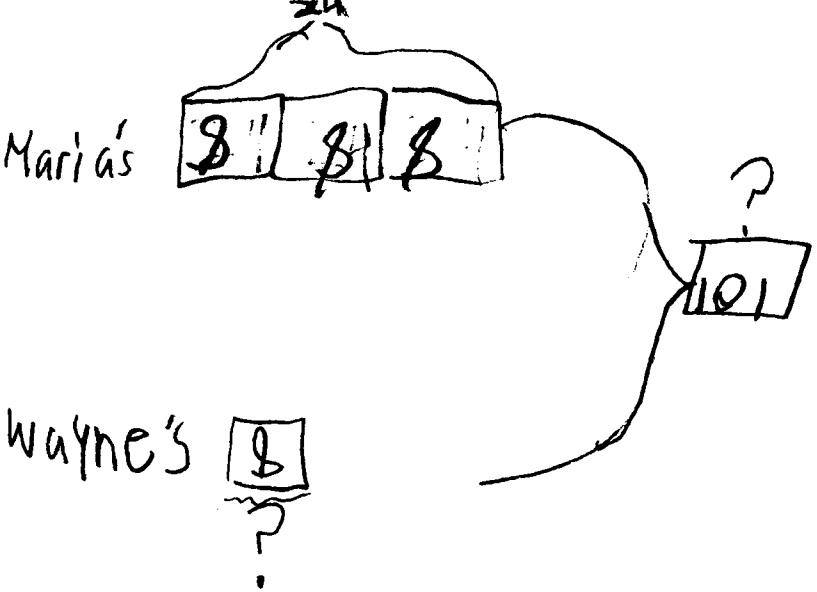
$$\begin{array}{|c|} \hline \bullet \bullet \\ \hline \bullet \\ \hline \end{array} \times \begin{array}{|c|} \hline \bullet \bullet \\ \hline \bullet \bullet \\ \hline \end{array} = \begin{array}{r} 10 \\ \times 18 \\ \hline 18 \\ \hline \end{array} \times$$

$$8 \times 3 = 24$$

$$3 \times 8 = 24$$

$$4 \times 6 = 24$$

$$6 \times 4 = 24$$



How much did
Maria $\$$

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 50rd

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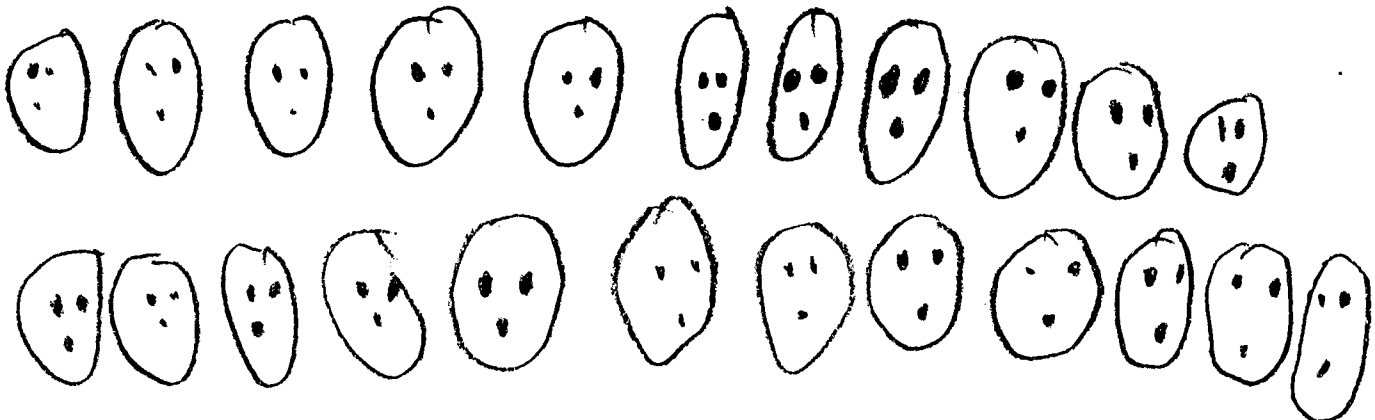
Teacher: Ms. Jackson

Maria saved \$24.
She saved 3 times as much as Wayne.

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

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

$$\cancel{24}$$

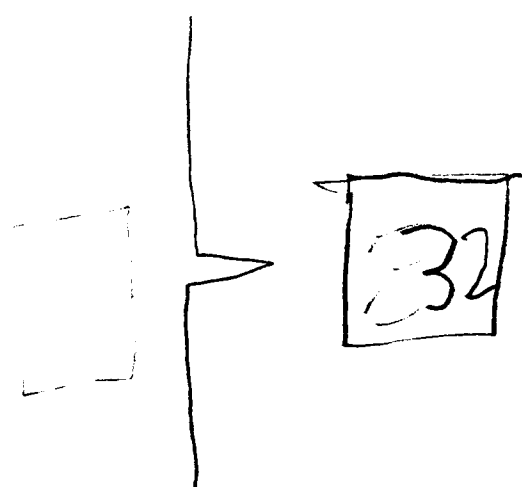
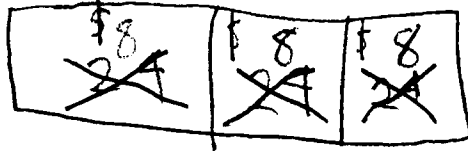


I think Charlie is trying to think how many money do Maria and Wayne got.

charlie's way

\$24

\$ Maria



Wayne's



72

I will ~~not~~ remember Charlie's way because

he did multiplication and I could need help on multiplication. Charlie's way could help me on math. Charlie's way will help me on drawing.

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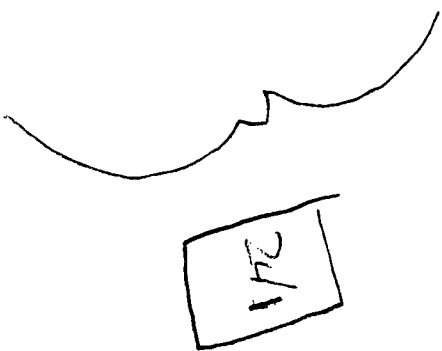
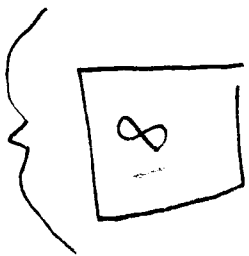
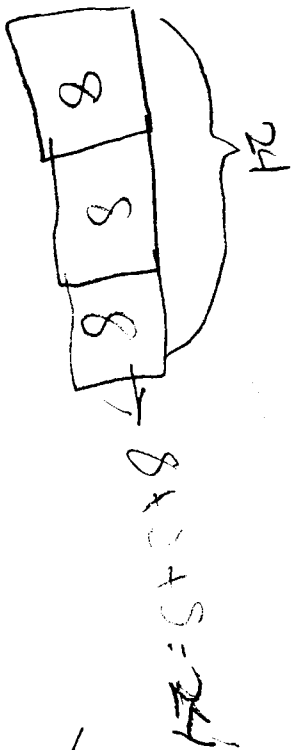
Teacher: Ms. Jackson

Maria saved \$24.
She saved 3 times as much as Wayne.

Handwritten student work showing a problem-solving process:

- A drawing of a girl labeled "maria" with a box containing "24" and a plus sign below it.
- A drawing of a boy labeled "wayne" with three boxes containing "8", "8", and "8".
- The equation $24 - 3 = 8$ written at the top right.
- The equation $8 \times 3 = 24$ circled in the middle right.
- The text "this division" written above two small diagrams of a box with "24" and a triangle.
- The equation $8 \times 3 = 24$ written below the "this division" text.
- A multiplication problem: $\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$ with a checkmark.
- A drawing of a chair 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: _____

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

Maria saved \$24.
She saved 3 times as much as Wayne.

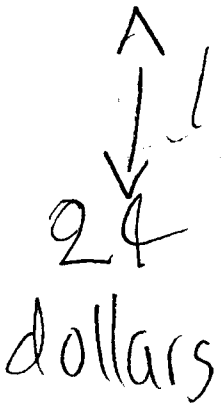
$$8 \times 3 = 24$$

Maria

Wayne



8 dollars

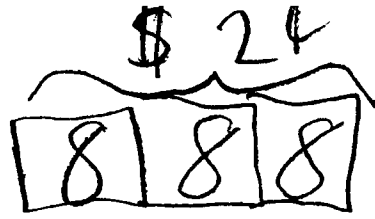


Wayne has 8 dollars

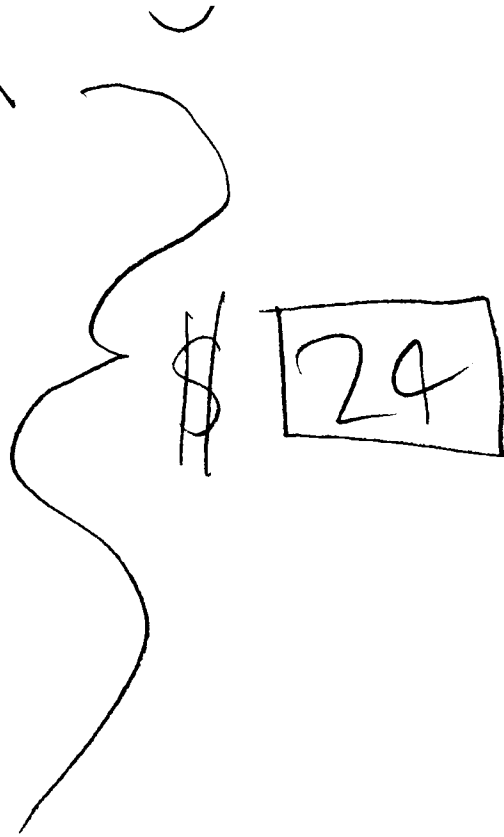
Maria has 3 x the money as Wayne because $8 \times 3 = 24$.

Also $24 \div 3 = 8$

María's
\$



Waynes
\$



Wayne saved 8 dollars.

Maria and Wayne
saved \$32 all together.

That's Charlie didn't
do anything.

He copied my idea,
and also work.

Name: _____

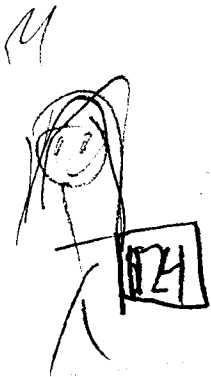
Date: 12-12-08

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Maria saved \$24.

She saved 3 times as much as Wayne.

~~24~~
3 | 24 product



$$3 \times 8 = 24$$

24 split it in 3 groups
8 together there are 24
you counting
by 8's

Wayne
has 8.

8 | 16 | 24
1 | 2 | 3

3 times as much as

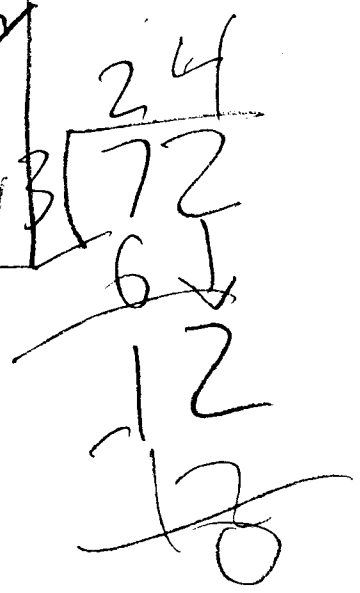
wayne ~~8~~ 8 8 $\begin{array}{r} 3 \\ \times 8 \\ \hline 24 \end{array}$

Zayne saved \$8

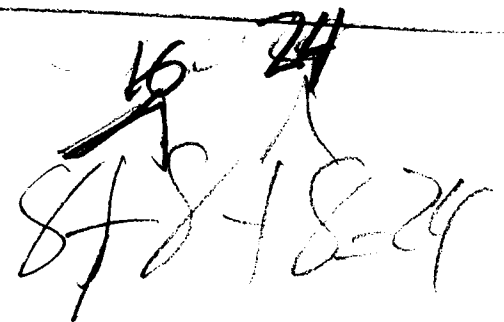
2. The both saved \$24

3 groups of 8

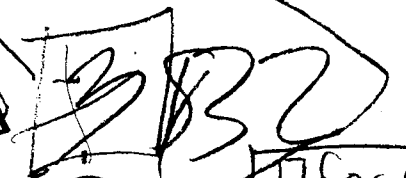
=
24



Maria's



$3 \times 8 = 24$



Wayne's



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

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

bottom
wayne's
money
was
8

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Maria saved \$24.

She saved 3 times as much as Wayne.

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

$$\boxed{8}$$

how much money

Maria

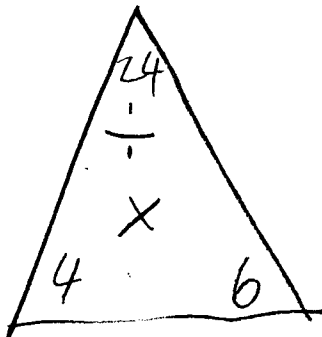
has?

$$\boxed{8}$$

Maria
has \$82.

$$\boxed{8}$$

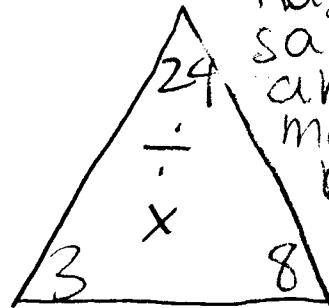
$$\underline{\$24}$$



Wayne

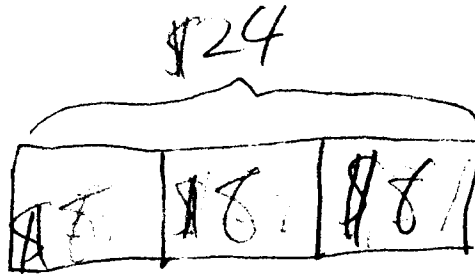
$$\boxed{8} + \boxed{8} + \boxed{8} = \$24$$

Wayne
has the
same
amount of
money
as Maria



Charlie's Way

Maria's
\$



Wayne's
\$



\$32

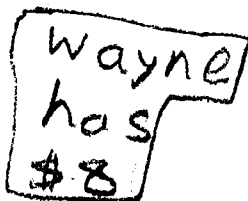
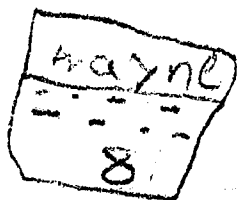
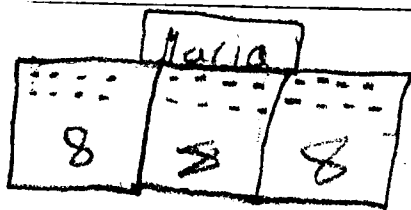
Wayne saved ~~\$8~~ dollars.
Altogether Maria and Wayne saved
\$32 dollars. I think Charlie is trying to
find out how much money Wayne has.

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Maria saved \$24.
She saved 3 times as much as Wayne.



Maria
has
3 times
more
than
Wayne

Maria
has
\$24

Charlie's way

All together

Maria's
\$

\$24



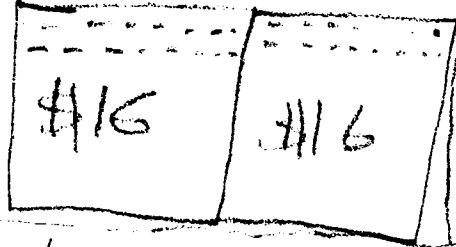
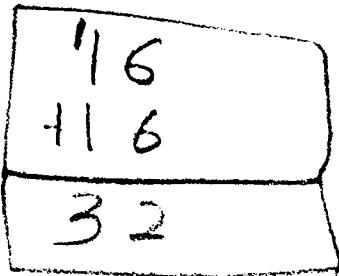
\$32

Wayne's
\$



Wayne saved
\$8 dollars

They both
saved \$32
dollars



I would remember about Charlie's way. It's easy and I like the groups, and I would remember the way about the groups, and the layers about

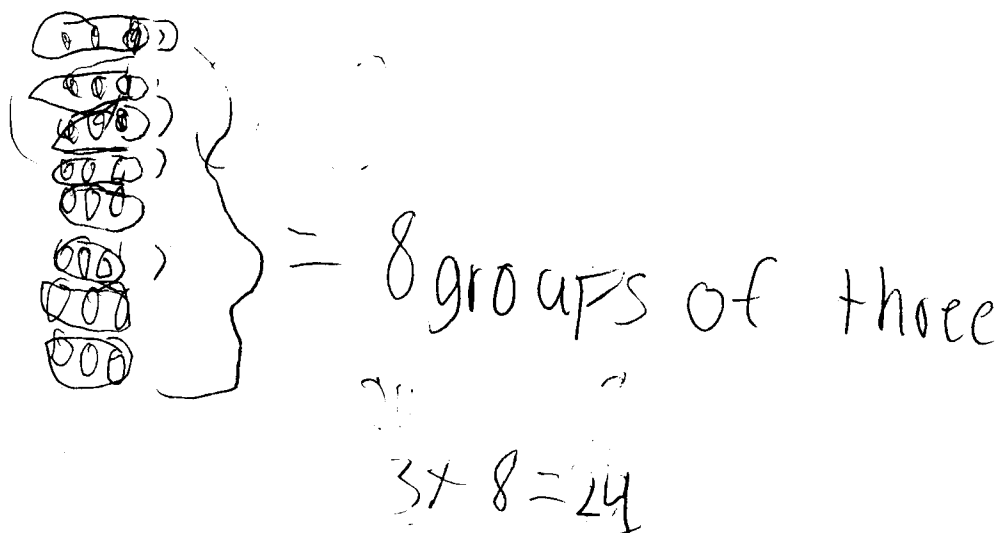
Name: _____

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Maria saved \$24.

She saved 3 times as much as Wayne.



Charliesway

Maria's $\$24$

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

$\$32$

I'm not
sure.

Wane's

8

 $\$8$

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

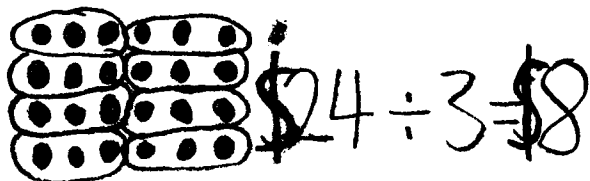
Name: _____

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Maria saved \$24.

She saved 3 times as much as Wayne.



Wayne = \$8

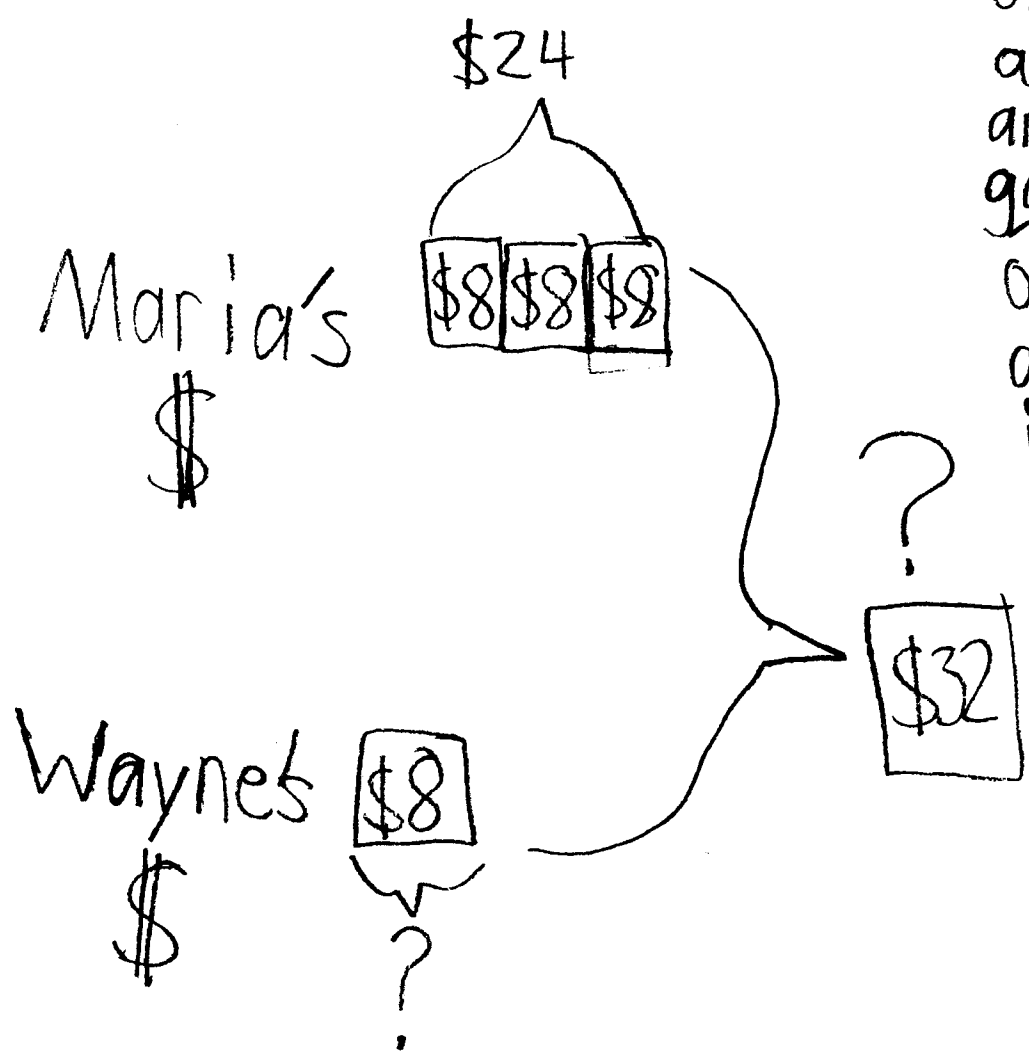
Maria = \$24



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.

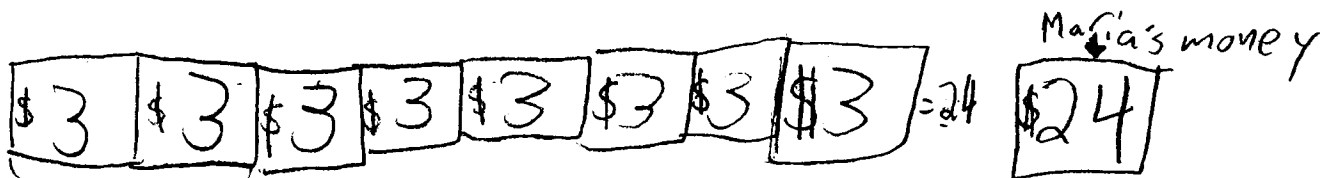
Name: _____

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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

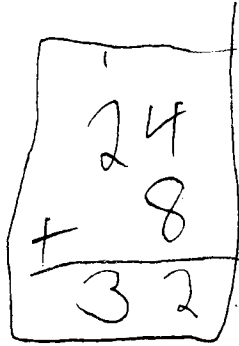
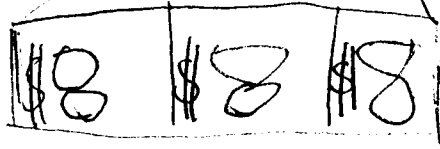
\$8

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
\$



32

Wayne's



\$

8

1st

I liked it that he put all the money together.

2nd

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

3rd

I thought it was a good strategy.

Name: _____

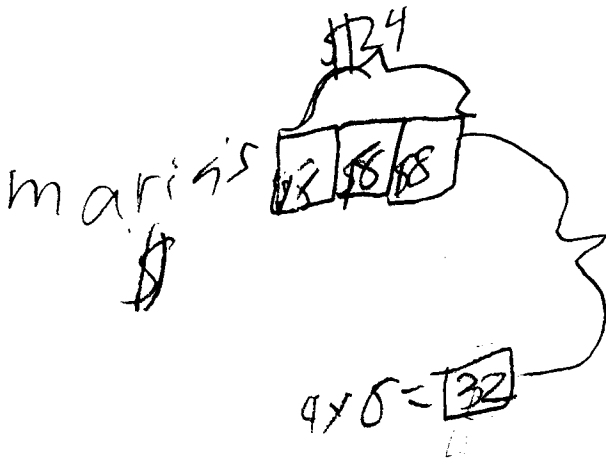
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Maria saved \$24.

She saved 3 times as much as Wayne.

charlie's way



Wayne's

\$ 8
W
?