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4th Grade Math Hybrid Learning Packet

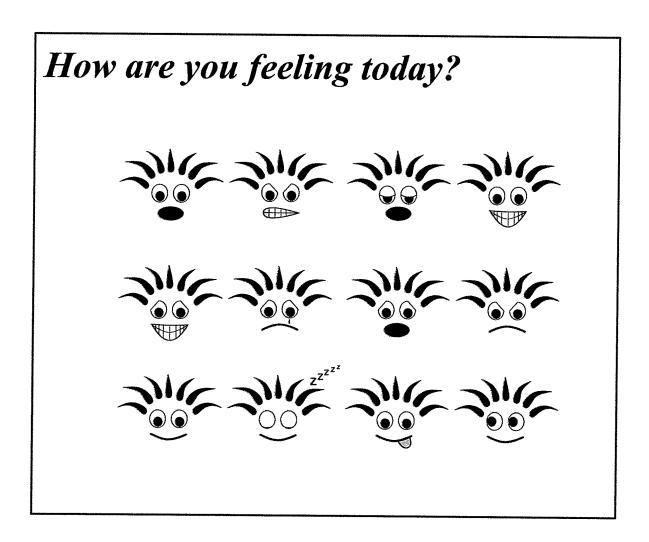
Week of: 12/7-12/11





Monday

Date: December 7



<u>Learning Target:</u> Multiply three- and four-digit numbers by one-digit numbers applying the standard algorithm.

<u>Standards:</u>4.NBT.5

<u>Do Now:</u> 4.NBT.1

Ms. Larsen is buying(2 delivery vans) for her business. The price of the first van is shown below. \$16,257 10x The digit 2 in the price of the second van is 10 times the value of the digit 2 in the price of the first van. Which amount could be the price of the second van? 2nd van 1st van Α \$12,987 16,257 B \$15,927 C \$17,257 D \$21,579

Concept Development

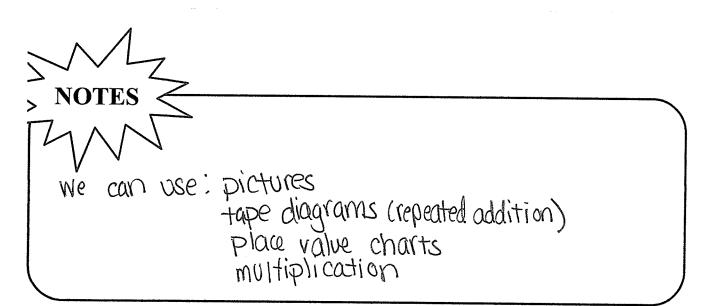
Calculate the total amount of milk in three cartons) if each carton + 236 contains (236 mL) of milk. What do we know?
- each carton has 236mL 236 236 236 what do we want to know? hundreds tens ones -How much in 3 cartons? 90000 What are some Strategies? -multiply -picture -place value chart There are _708 mL 3 cartons.

Note Catcher:

I wonder?

I notice:

CFUs - what do you notice about all 3 ways?





Watch Me!

Shane measured 457 mL of water in a beaker. Olga measured 3 times as much water. How much water did they measure altogether?

in I beaker

- 1.) I know I beaker has 457mL orga has 3x as much
- 2) I want to know how much they have together

They have 1828 altogether.

Shane : 1457

Olga 457 457 14,57

CFUS. 457

walk me through the moltiplication

again

* Whats a way we

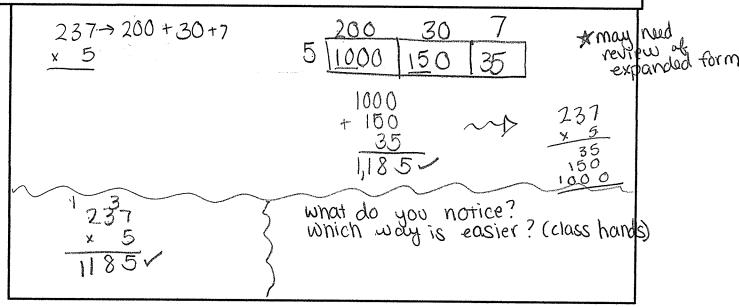
ian check OUT WORK?

5

I wonder...

Let's Work Together!

Problem 2: Solve 5×237 using the partial products algorithm. Then solve using the standard algorithm, and relate the two methods to each other.



large small bag A small bag of chips weighs 48 grams A large bag of chips weighs three times as much as the small bag. How much will 7 large bags of chips weigh? what do we know? How much is a large bag? small bag = 48
large bag = 3x as much Acheck We need to know? w/partial How much is I bag products How much is 7 bags '780 7 large bags will cost

> CFUs: How come 336 isn 4 our final answer?

You Try!

1. Solve using each method.

Parti	al Products	Standard Algorithm
a.	3 4	1 3 4
30	× 4	× 4.
1°	20 16 36	

Pa	rtial Products	Standard Algorithm
b.	2 2 4 × 3	2 2 4 × 3

*what will we do if our answers don 4 match?

2. Solve. Use the standard algorithm.

а.	2 5 1	b.	1	3	5	C.	3	0	4
	× 3		<u>×</u>		6		<u>×</u>		9
d.	4 0 5	e.	3	1	6	f.	3	9	2
	× 4		<u>×</u>		5		<u>×</u>		6

Laps:
1) Partial products
2) matching
answers

3) Check #08 20

3.	The	product	of 7	and 86 is	
		F			•

4. 9 times as many as 457 is ______.

* Review before exit ticket

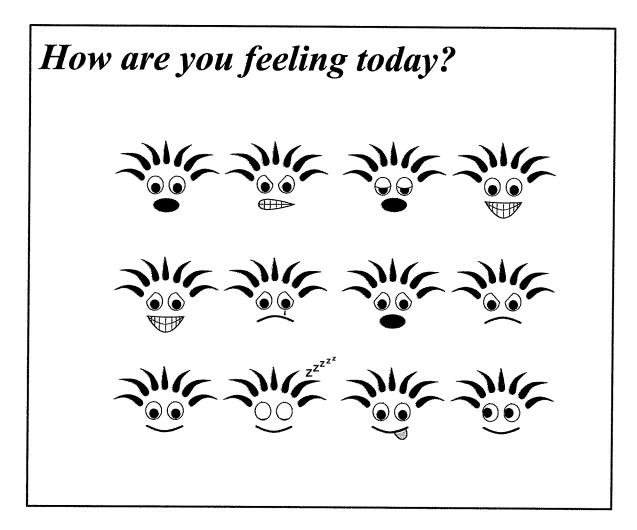
5. Jashawn wants to make 5 airplane propellers.
He needs 18 centimeters of wood for each propeller.
How many centimeters of wood will he use?

EXIT TICKET

me: CCSG		Date: William Smith / Spelman
ne-dig	Target: Multiply throit numbers applying ls:4.NBT.5	ee- and four-digit numbers by the standard algorithm.
ctions: tion. R	Answer the questions bel ecord your answer on Go	ow. Make sure you show work for every ogle Classroom
Solve u	sing the standard algorithm.	
a.	6 0 8 × 9	b. 5 7 4 × 7
Morgar	is 23 years old. Her grandfather	is 4 times as old. How old is her grandfather?
		Grade:

Tuesday

Date: December 8



<u>Learning Target:</u> Multiply three- and four-digit numbers by one-digit numbers applying the standard algorithm.

Standards: 4NBT.5

4.NBT.1

Do Now:

Andrew wrote the number 186,425 on the board. In which number is the value of the digit 6 exactly 10 times the value of the digit 6 in the number Andrew wrote?

- **A** 681,452
- **B** 462,017
- **C** 246,412
- **D** 125,655

Concept Development

The principal wants to buy 8 pencils for every student at her school. If there are 859 students how many pencils does the principal need to buy?

We know? 8 pencils each 859 students

We want to know? How many does the school need.

The principal needs to buy 6872 pencils.

CFUS

- what were we looking for?

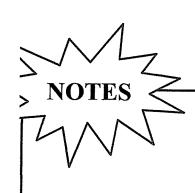
- How did we know to multiply?

Picture		
1 unit = 859	monta-mang	
1234567	8 de la constantina della cons	
859		
485a -> 800 +50) + 9 _ <u>800</u> _	_50 9
× 8 687 Z√	8 6400	The state of the s
60.20	640	
	40	72
	68-	721

Note Catcher:

I wonder?

I notice:





Watch Me!

Problem 1: Solve $5 \times 2,374$ using partial products, and then connect to the algorithm.

Partial Product

- 1 expanded form
- @ multiply parts 1
- 3 add

\	23	74	\rightarrow	2000	+ <i>3</i> 00	+70	-4
	X	5					

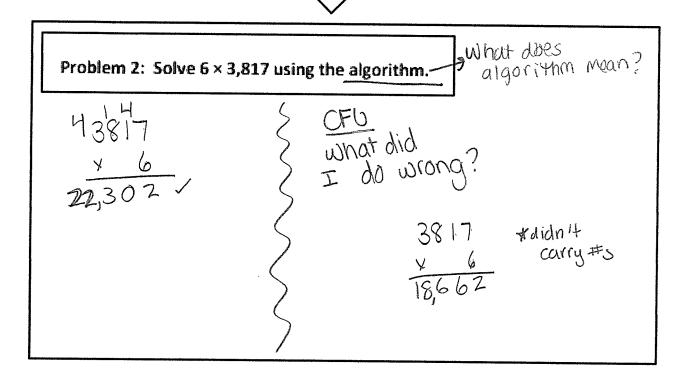
2000 300 70 H 5 10000 1506 350 20

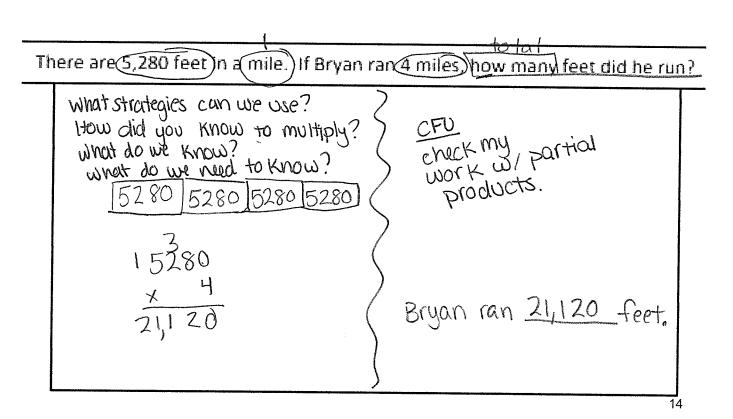
what do you about ners?

I wonder...

13

Let's Work Together!





You Try!

1. Solve using the standard algorithm.

3 × 42	b. 6×42	
		Cofo
		Įυ
		La La
		l
6 × 431	d. 3×431	
		1,
3 × 6,212	f. 3 × 3,106	
	·	
4 × 4,309	h. 4 × 8,618	
•		
		İ

Check answers

W/PP

For a & b

Lap 1: Partic

Produc

Lap 2: Answer for

2.	There are 365 days in a common year. How many days are in 3 common years?
3.	The length of one side of a square city block is 462 meters. What is the perimeter of the block?
4	Jake ran 2 miles. Jesse ran 4 times as far. There are 5,280 feet in a mile. How many feet did Jesse run?
**	voice run 2 miles. rease run 4 miles as lait. There are 3,260 feet in a mile. How many feet did Jesse run?

EXIT TICKET

rections: Answer the questions below. Make sure you show work for every estion. Record your answer on Google Classroom	lame:	Date:
numbers applying the standard algorithm. Standards: 4NBT.5 rections: Answer the questions below. Make sure you show work for every estion. Record your answer on Google Classroom Solve using the standard algorithm.	CCSG	William Smith / Spelman
	ections: Answer the question estion. Record your answer o	ns below. Make sure you show work for every on Google Classroom
a. 2,348 × 6 b. 1,679 × 7	Solve using the standard algorithm.	
	a. 2,348 × 6	b. 1,679 × 7

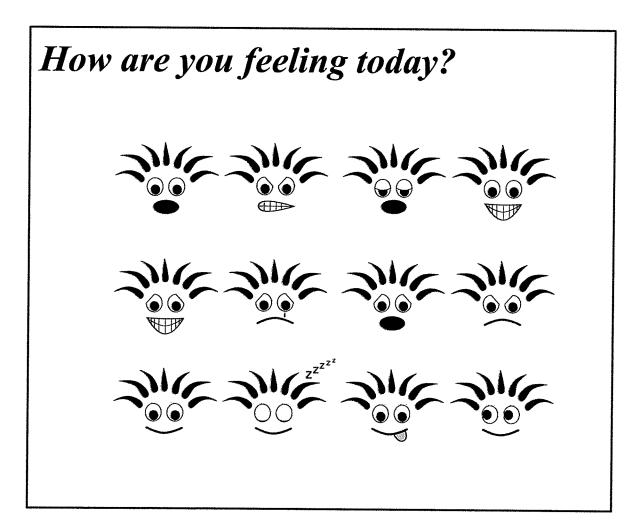
2. A farmer planted 4 rows of sunflowers. There were 1,205 plants in each row. How many sunflowers did he plant?

Grade:

17

Wednesday

Date: December 9



<u>Learning Target:</u> Connect the area model and the partial products method to the standard algorithm.

Standards: 4NBT.5

Do Now: 4.NBT.2

Which expression shows 125,206 written in expanded form?

B 100,000 + 20,000 + 5,000 + 200 + 6

$$D = 100,000 + 20,000 + 5,000 + 2,000 + 6$$

Concept Development

8

30

Write an equation for the area of each rectangle. Then, find the sum of the two areas.

- whats an ?

- whats the formula for area?

Area = length × width $A = 1 \times W$

A = 30 x8

A = 240

8 VH = A

+ 32 The sum of the 1272 two areas is 272.

How can mg make this a

1 step

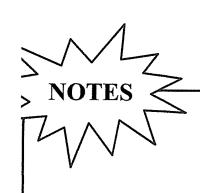
tep ω | manipulatives. $A = 1 \times \omega$ rectangle manipulatives. $A = (30 + 4) \times 8$

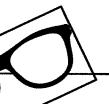
Note Catcher:



I wonder?

I notice:





Watch Me!

I wonder...

CFUS How is our Picture similar to a place value chart?

Let's Work Together!

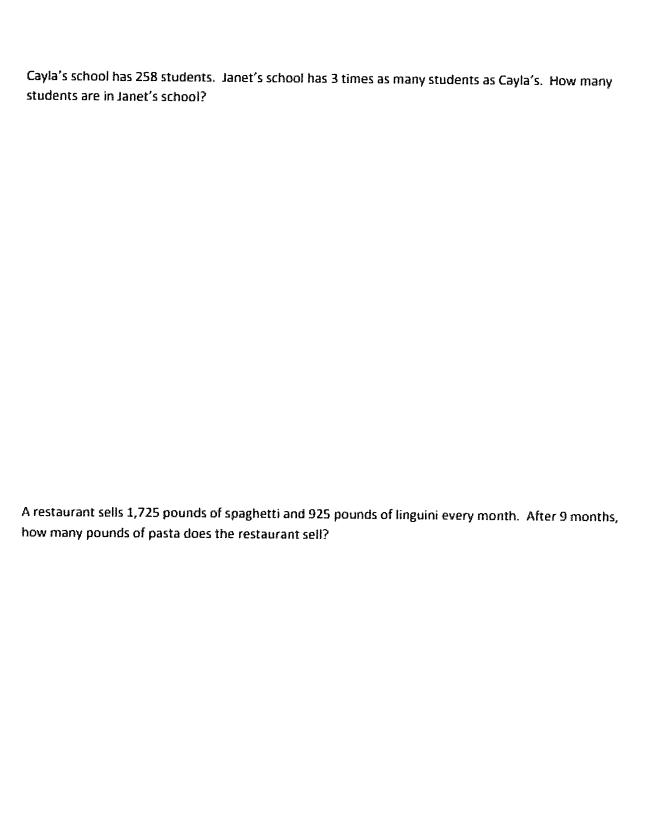
A cafeteria makes 4,408 lunches each How many lunches are made Monday through Friday?		* CX	08 a 50/V	strategy 108
what strategies do we know?	M	2 1 T	3 I W	4 5
what do we know: 4,408 each day	HH08	4408	14408	14408 4408
We need to Know! How much for M > F Ave made M - F.	ط	× 5 2,040	7	call a correct example of each

You Try!

1. Solve the following expressions using the standard algorithm, the partial products method, and the area model.

4 (400 + 20 + 5)
(4 ×) + (4 ×) + (4 ×)
7(+)
(×)+(×)+(×)
(+) (×)+(×)

Laps
1) letter b
2) 1st word
Problem



EXIT TICKET

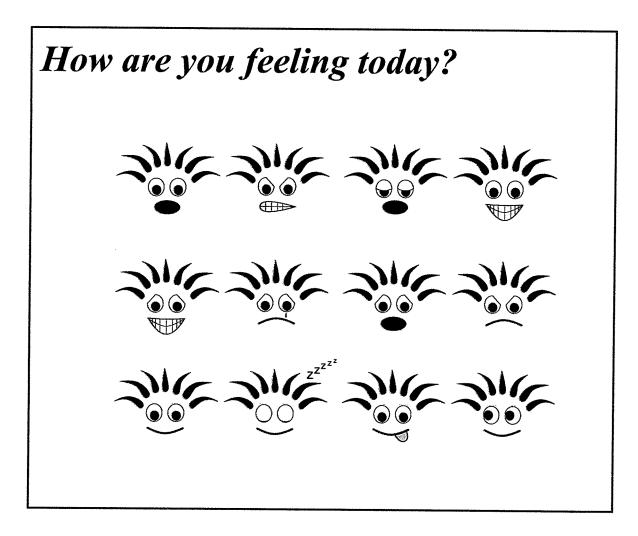
Name:BCCSG	Date: William Smith / Spelman
Learning Target: Connect the arc to the standard algorithm. Standards: 4NBT.5	ea model and the partial products method

Directions: Answer the questions below. Make sure you show work for every question. Record your answer on Google Classroom

Grade:

Thursday

Date: December 10



Learning Target: Solve two-step word problems, including multiplicative comparison.

Standards: 4.OA.1 4.OA.2 4.OA.3 4.NBT.5

Do Now:

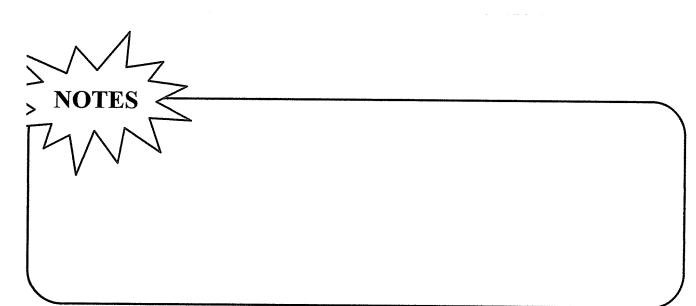
which expression shows 125,206 written in expanded form? repeat com yesterday

- 200 + 5.000 + 200 + 6

whoops!

B
$$100,000 + 20,000 + 5,000 + 200 + 6$$

D
$$100,000 + 20,000 + 5,000 + 2,000 + 6$$





Watch Me!

The table shows the cost of party favors. Each party guest receives a bag with 1 balloon, 1 lollipop and 1 bracelet) What is the total cost for a guests?

item	Cost
1 balloon	26¢
1 lallipop	140
1 bracelet	33¢

I need to know

How much does I whole bag rost?

what about for 9 guests?

For 9 guests is 657 cents,

2) For 9 guests 273 × 9. 657 cents

I wonder...

CFU
How come
73 wasn't
final
my answer

what info did I need to find 1st?

Let's Work Together!

The Turner family uses 548 li	ters of water	per day) The Hill family uses
3 times) as much water per day	y. How much	water does the Hill family
use pen week? each x		
eack	0	2 week
we know:	DOY	How many days in a week?
T family uses 578 per day	1548	M T W Th F 5 S S
H uses 3x per day	× 3	1644 1644 1644 1644 1644 1644
·	TUTT	41894
We need to know	* •	11,508
How much H family		11,508
uses per acy!		
what about the week?		→1. 11:11 ∧ ∴
and of the same statement		The Hill family uses 11508 per WEEK!
		11508 per WEEK!
7 1	.00146	

what units of time? days+weeks what unit why did we multiply by 7.

Jayden has 347 marbles. Elvis has 4 times as many as Jayden. Presley has 199 fewer than Elvis. How many marbles does Presley have?

**TURN + Talk to find out how much boy has (Jayden + Elvis)

snow call exemplar work.

Jayden + 347

Elvis + 1347

-799

1388

Dresley has 589

Marbles.

CFU what did I 799 do wrong: -347.

You Try!

Laps 1) plan for #

2) Answer for

The table shows the number of stickers of various types in Chrissy's new sticker book. Chrissy's six friends each own the same sticker book. How many stickers do Chrissy and her six friends have altogether?

*show call answer (or make a WE DO)

Type of Sticker	Number of Stickers
flowers	32
smiley faces	21
hearts	39

The small copier makes 437 copies each day. The large copier makes 4 times as many copies each day. How many copies does the large copier make each week?

Jared sold 194 Boy Scout chocolate bars. Matthew sold three times as many as Jared. Gary sold 297 fewer than Matthew. How many bars did Gary sell?

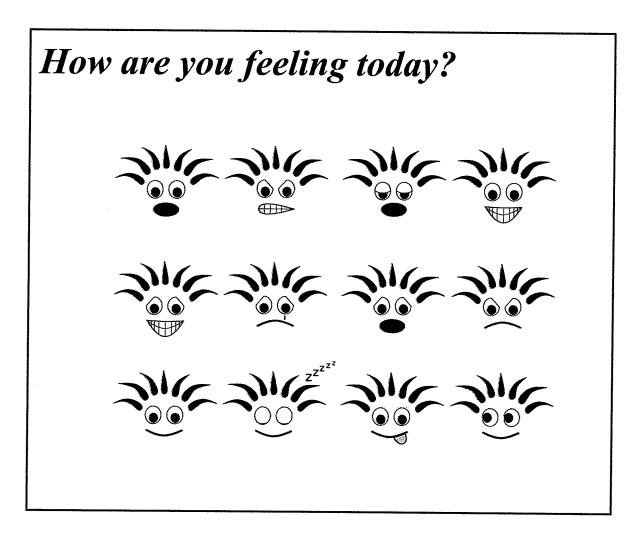
EXIT TICKET

Name:BCCSG	Date: William Smith / Spelman
Learning Target: Solve two-s comparison. Standards: 4.OA.1 4.OA.2 4.0	step word problems, including multiplicative
rections: Answer the questions estion. Record your answer or	s below. Make sure you show work for every n Google Classroom
nnifer has 256 beads. Stella has 3 times ow many beads does Tiah have?	as many beads as Jennifer. Tiah has 104 more beads than Stella

Grade:

Friday

Date: December 11



Learning Target: Use multiplication, addition, or subtraction to solve

multi-step word problems.

Standards: 4.OA.1 4.OA.2 4.OA.3 4.NBT.5

<u>Do Now:</u> 4.NBT.2

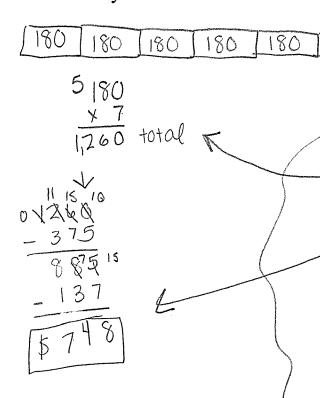
Which number sentence is true?

Concept Development

Over the summer, Kate earned \$180 each week) for 7 weeks. Of that money, she spent \$375 on a new computer and \$137 on new clothes. How much money did she have left?

180

180



We Know
-180 x7 will give us
the total
We Know she spent
375 + 137, spent means -

We need to know

- total earned

,- how much was leff

Kate had \$748 left.

CFU: why did we subtract to find her total?

Note Catcher:



I wonder?

I notice:

Let's Work Together!

Three boxes weighing 128 pounds each and one box weighing 254 pounds were loaded onto the back of an empty truck. A crate of apples was then loaded onto the same truck. If the total weight loaded onto the truck was 2,000 pounds, how much did the crate of apples weigh? We Know: 3boxes x 128 16s = = 200b [25] 1box x 254 lbs= Total = 2000 lbs We don't know how much the apples weigh.

CFU 638 my answer?

In one month, Charlie read 814 pages. In the same month, his mom read 4 times as many pages as Charlie, and that was 143 pages more than Charlie's dad read. What was the total number of pages read by Charlie and his parents?

Need to Know:

The apples

weigh 1362 pounds.

Charlie: 814
Mom: 4056 814
Dad: 3913 3 4056
-143
3913

2) whole family 14056

Charlie's family read \$,783 pages 30

CEU'S who road more mom or dad? Howdo you know from the avestion?

You Try!

Laps 1) plans 2) answer

1. A pair of jeans costs \$89. A jean jacket costs twice as much. What is the total cost of a jean jacket and 4 pairs of jeans?

2. Sarah bought a shirt on sale for \$35. The original price of the shirt was 3 times that amount. Sarah also bought a pair of shoes on sale for \$28. The original price of the shoes was 5 times that amount. Together, how much money did the shirt and shoes cost before they went on sale?

EXIT TICKET

Name:BCCSG	Date: William Smith / Spelman
Learning Target: Use multiplicat multi-step word problems. Standards: 4.OA.1 4.OA.2 4.OA.3	tion, addition, or subtraction to solve
Directions: Answer the questions belo uestion. Record your answer on Goo	ow. Make sure you show work for every ogle Classroom
Michael earns \$9 per hour. He works 28 he	ours each week. How much does he earn in 6 weeks?
David earns \$8 per hour. He works 40 hou	rs each week. How much does he earn in 6 weeks?
After 6 weeks, who earned more money?	low much more money?

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