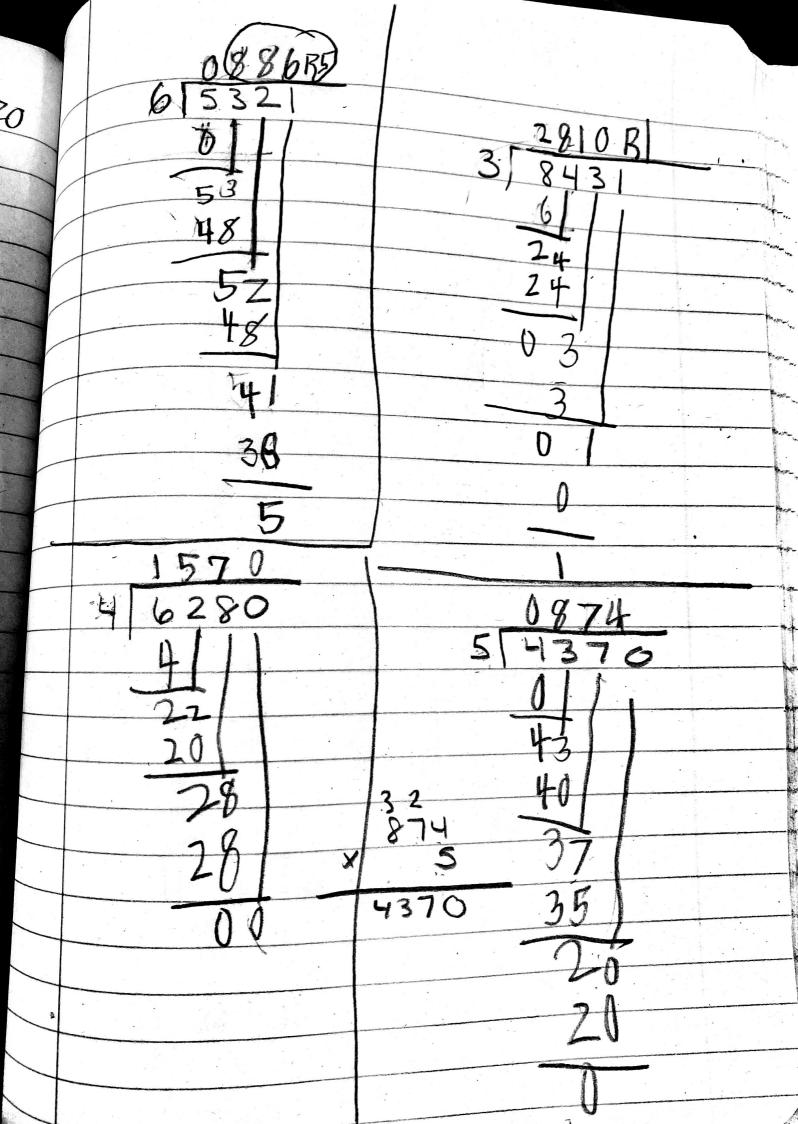
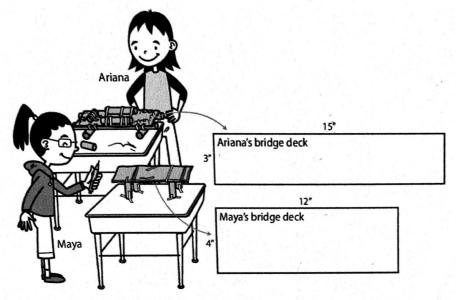
Math Problems \$119/20



How Big Is That Bridge?

Ariana and Maya built the model beam bridges shown below.



What is the area of Ariana's bridge deck? Show your work.

15×345

What is the area of Maya's bridge deck? Show your work.

12 X4 = 48

What is the difference between the areas of the two decks? Show your work.

The difference

d Ariana's bridge spanned $10\frac{1}{2}$ inches. Maya's bridge spanned $8\frac{1}{2}$ inches. How much longer was Ariana's span? Show your work.

2 inchs

2 Solve the problems below.

$$20 \times 6 = 120$$
 $72 \div 8 = 9$ $45 = 9 \times 5$ $90 = 30 \times 3$

$$45 = \cancel{9} \times 5$$

$$90 = 30 \times 3$$

Bridges in Mathematics Grade 3 Student Book

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Name: Jandon	er Response Why do noppers no
Invisible Forces Checkpoint	And the second of the second o
After watching the Mystery Science videos, how would you answer these questions'	?
Multiple Choice ~ circle the letter to show what you know about forces.	
 1. Why is it hard to win a tug-of-war against a group of teachers? a. Teachers try really hard. b. Teachers have more legs than students. c. Teachers have a lot of friction. d. Teachers can push really hard. 	viny are palar bodge
2. The last rubber band caused the watermelon to burst because a. it was stronger than the other rubber bands. b. it was thicker than the other rubber bands. c. it was the last rubber band in the bag. d. it created a force that was greater than the force of the watermelon ring.	· · · · · · · · · · · · · · · · · · ·
 3. Why was a suspension bridge a good design for the Golden Gate Bridge in a. Ships had to pass underneath the bridge. b. It has a lot of pillars underneath to support it. c. The distance the bridge had to cross wasn't very long. d. The water under the bridge was very shallow. 	San Francisco?
4. Sandpaper sliders don't slide very fast because a. sand makes the slider too heavy.!! emos ens tarkw relast ebils a nweb b. sandpaper creates a lot of friction. c. it didn't have enough pennies on it. d. the slide isn't long enough.	4. If you wanted to go things help?
5. Metal sliders slide fast because a. it had too many pennies on it. b. metal creates a lot of friction. c. it is smooth and doesn't rub much d. the slide was at a steep angle.	

ort Response	camp
Why do hoppers hop off the table?	Alc - 11)
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not have supplies	O 1 210161VIII
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ou know about forces.	ightinte Chelce - encie the letter to show what y
Why are pillar bridges and arch bridges stronger th	
	a Teachers try really hard.
	c. Teauners Yave and of facility
	d. Teachars can push really hard
Ro d Hay	have a best and Suffer
Because they	nave an sollar
MISO the weight	of the Pillarg
share the weight,	or it a certific teeth subserband in the begg-
the force of the watermelon and	d it created a force that was greater than
3. Explain how tension and compression are used in b	
To make pride	OSON MEN SHONEY. Also
they are Pushes	ous colodnabun Polls a lot a seasified
Pallon Card Card	c - Instance of bridge as to cross w
The common of th	Sandpaper skiders don't slide very fast beca
4. If you wanted to go down a slide faster, what are so things help?	bme things you could do? Why would those be sanopaper progress a lot of firstion.
Not Where	no sent pans exbeca us
Priction Where	smooth Clothing, Ha
reast amount of	D I II P ALC
Slider	(NO st elid. Exclass that the Kood -
01.00	b. metal creates a ict of friction.
	c. it is smooth and doesn't rub much.

d, the slide was at a steep angle.