for 7 days. Each day, you worked for 2 hours in the morning resents the total number of hours you worked on the project? ??
vorked on the project?
rs over the 7 days.
nter. The event center charges an additional \$11 per person n event for n people.
the membership, each book costs \$5. Write an algebraic that month.
the membership, each book costs \$5. Write an algebraic

4. Think About the Process A flower shop charges \$29 for a bouquet. It costs an additional \$8 to include the vase. Last month, the shop sold b bouquets and v of the bouquets included the vase. What does each variable in this situation represent? Write an algebraic expression for the shop's total sales from bouquets and vases last month.

What does the variable b represent?

The price of each bouquet
The number of bouquets sold last month that included the vase
The number of bouquets sold last month
The number of bouquets sold last month
The number of bouquets sold last month
The number of bouquets sold last month that included the vase
The price of each bouquet
The price of each vase
The price of each bouquet
The price of each vase
The number of bouquets sold last month

An algebraic expression for the shop's sales from bouquets last month is ______

5. Entertainment A group of 4 friends is planning a fun day trip. To raft down a river costs \$8 per person plus \$5 for transportation of the raft. An amusement park costs \$13 per person. A hot air balloon ride costs \$25 per person, but they have a \$40 group discount coupon.

Activity	Cost (\$)
Raft trip	8n + 5 = 37
Amusement Park	13n = 37
Balloon Ride	25n - 40 = 37

The table shows equations for the total cost of each activity for n people. Which activity should they choose if they want to spend exactly \$37?

	100			
Гhе	would	cost	exactly	\$37.

6. Challenge Last month, Simon's neighbors paid him to take care of their fish when they went on vacation. He spent \$5 of his earnings on an afternoon snack and \$15 on a new book. Afterward, he had no more than \$6 left. How can you best describe how much Simon's neighbors paid him?

Select the correct choice below and fill in the answer box to complete your choice.

- OA They paid him exactly \$_____
- OB. They paid him no less than \$_____
- O'C They paid him no more than \$_____
- 7. A type of fish for your aquarium costs \$6 each. You can spend at most \$42. How many of these fish can you buy? Write an inequality to model the problem. Then solve the inequality to find the number of fish.

Let f be the number of fish you can buy. Which inequality models the problem?

- OA f+6≤42
- B. 6f ≤ 42
- Oc. f+6≥42
- OD. 6f≥42

How many of these fish can you buy?

You can buy_____

8. An athlete plans to exercise for 90 minutes. She will only swim and stretch. Write an equation to represent this situation.

Let x be the number of minutes the athlete spends swimming. Let y be the number of minutes stretching. Which equation represents this situation?

- ○A 90+y=x
- ○8. 90+x=y
- ○C. x-y=90
- 0.0 x + y = 90

Interpreting Word Problems Writing Expressions and Inequalities

U.

School Projects You worked on a school project every day for 7 days. Each day, you worked for 2 hours in the morning and 4 hours in the afternoon. Which expression correctly represents the total number of hours you worked on the project? How many hours did you work on the project over the 7 days?

Which expression represents the total number of hours you worked on the project?

$$\bigcirc$$
A. $(7 \times 2) + 4$

42 hours

You worked on the project for ______ hours over the 7 days.

2. Event Planning It costs \$125 to rent a room at an event center. The event center charges an additional \$11 per person for food. Write an algebraic expression for the total cost of an event for n people.

An algebraic expression for the cost of an event for n people is 125 + 11 m

3. Penny pays \$18 a month for her book club membership. With the membership, each book costs \$5. Write an algebraic expression for her total bill for one month if she buys b books that month.

An algebraic expression for the total bill for one month is 18 + 5b

4. Think About the Process A flower shop charges \$29 for a bouquet. It costs an additional \$8 to include the vase. Last month, the shop sold b bouquets and v of the bouquets included the vase. What does each variable in this situation represent? Write an algebraic expression for the shop's total sales from bouquets and vases last month.

What does the variable b represent?

- The price of each bouquet
- The number of customers
- The number of bouquets sold last month
- The number of bouquets sold last month that included the vase
- The price of each vase

What does the variable v represent?

The number of bouquets sold last month that included the vase

- The price of each vase
- The number of customers
- The price of each bouquet
 - The number of bouquets sold last month

An algebraic expression for the shop's sales from bouquets last month is ___

296+8~

5.	• Entertainment A group of 4 friends is planning a fun day trip. To raft down a river costs \$8 per person plus \$5 for transportation of the raft. An amusement park costs \$13 per person. A hot air balloon ride costs \$25 per person, but have a \$40 group discount coupon.								
	Activity Cost (\$) Raft trip 8n + 5 = 37		s for the total cost of each e if they want to spend ex		. Which				
	Amusement Park $13n = 37$ Balloon Ride $25n - 40 = 37$		Roft Trip	Amu.P.	B.R.				
	The Raft Trip	— would cost exactly \$37.	8(4)+5	13(4)	25(4)-4				
			P37	00	4/00				
6.	Challenge Last month, Simon's neighbors paid him to take care of their fish when they went on vacation. He spent \$5 of his earnings on an afternoon snack and \$15 on a new book. Afterward, he had no more than \$6 left. How can you best describe how much Simon's neighbors paid him?								
	Select the correct choice below and	fill in the answer box to co	mplete your choice.						
	○A They paid him exactly \$		\$5 0	in Snock					
	OB. They paid him no less than \$_		\$15	on Book					
	They paid him no more than \$								
		Started i	with no r	nore then	\$26				
7. A type of fish for your aquarium costs \$6 each. You can spend at most \$42. How many of these fish can you buy? Wri an inequality to model the problem. Then solve the inequality to find the number of fish.									
	Let f be the number of fish you can b	ıy. Which inequality model	s the problem?						
	OA f+6≤42		at most	meons &					
((i) 6f≤42								
	OC. f+6≥42		6. f \$ 4	2					
	Op. 6f≥42		6. f \ + +	-6					
	How many of these fish can you buy?								
	You can buy at most	7 fish	f ₹ -	7					
8.	An athlete plans to exercise for 90 mir	utes. She will only swim ar	nd stretch. Write an equati	on to represent this	situation.				

Let x be the number of minutes the athlete spends swimming. Let y be the number of minutes stretching. Which equation represents this situation?

$$\bigcirc$$
8. 90 + x = y

$$x+y=90$$