Number Sentences

1. Use a two-pan balance and a set of standard masses. The table shows the number and type of masses to put in Pan 1. Decide which masses to put into Pan 2 in order to balance the pans. Complete the true number sentence.

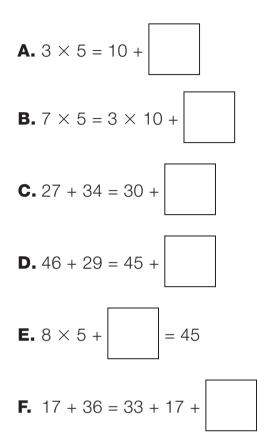
Follow the example.

Masses in Pan 1	Masses in Pan 2	Number Sentence	
Ex. One 10-gram Four 5-gram	Three 10-gram	$(1 \times 10) + (4 \times 5) = (3 \times 10)$	
A. Four 5-gram Two 10-gram		$(4 \times 5) + (2 \times 10) =$	
B. Three 10-gram Three 5-gram Three 1-gram		$(3 \times 10) + (3 \times 5) + (3 \times 1) =$	
C. One 20-gram Two 10-gram Three 5-gram Four 1-gram		$(1 \times 20) + (2 \times 10) + (3 \times 5) + (4 \times 1) =$	
D. Five 10-gram Five 5-gram Five 1-gram		$(5 \times 10) + (5 \times 5) + (5 \times 1) =$	

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2. Complete the number sentences. Use a two-pan balance and masses to show that your number sentence is true. If it is not, correct it.



3. Explain a way to solve Question 2D without using the balance.

- **4.** Use a two-pan balance and a set of standard masses to measure four small objects. Choose items you have not measured before.
 - Predict if each object's mass is greater than, equal to, or less than 20 grams.
 - Weigh the object and record its actual mass.
 - Write a number sentence comparing the mass of your object to 20 grams.
 - Use these symbols: > greater than = equal to < less than
 - Put a star (\bigstar) next to your prediction if it was correct.

Follow the example.

	Object	Prediction: My object is greater than, equal to, or less than 20 grams	Actual Mass (in grams)	Number Sentence
	glue stick	★ Less than 20 grams	6 grams	6 < 20
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