

ENTREPRENEUR Fair (PART 3-GROUP)

Please read through the following directions for each part carefully. You may not move on to the next step until you have had the teacher's approval and signature.



1. Taxes



2. Ratio Tables and Graphs

3. Coupons





Taxes



CALCULATE THE PRICE OF EACH ITEM AFTER ADDING OUR LOCAL STATE SALES TAX RATE. YOU WILL USE AREA MODELS TO SOLVE YOUR SPECIFIC VALUES.

EXAMPLE

PRODUCT #1 (CUSTOMIZABLE STICKER)

Tax Rate: $6.87\% \div 100 = 0.0687$

COST: \$9.00

	0.06	0.008	0.0007
\$9	\$0.54	\$0.072	\$0.0063

TOTAL PRODUCT COST: $\$9.00 + \$0.6183 = \$9.6183$

ALL FINAL ANSWERS MUST BE ROUNDED TO THE NEAREST HUNDREDTH

TOTAL: \$9.62

INVESTOR APPROVAL _____



Taxes

(BUSINESS PARTNER #1)



1. FILL IN ALL REQUIREMENTS WITH THE CORRECT VALUES.
2. USE THE SAME TAX RATE EACH TIME. DON'T FORGET TO DIVIDE BY 100 TO CONVERT IT TO A DECIMAL.
3. SOLVE USING AN AREA MODEL.
4. YOUR FINAL ANSWER MUST BE ROUNDED TO THE NEAREST HUNDREDTH.

PRODUCT #1: _____
TAX RATE: _____
COST: \$ _____

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TOTAL PRODUCT COST: _____

TOTAL: \$ _____

INVESTOR APPROVAL _____



Taxes

(BUSINESS PARTNER #2)



1. FILL IN ALL REQUIREMENTS WITH THE CORRECT VALUES.
2. USE THE SAME TAX RATE EACH TIME. DON'T FORGET TO DIVIDE BY 100 TO CONVERT IT TO A DECIMAL.
3. SOLVE USING AN AREA MODEL.
4. YOUR FINAL ANSWER MUST BE ROUNDED TO THE NEAREST HUNDREDTH.

PRODUCT #1: _____
TAX RATE: _____
COST: \$ _____

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TOTAL PRODUCT COST: _____

TOTAL: \$ _____

INVESTOR APPROVAL _____



Taxes

(BUSINESS PARTNER #1 OR 2)



1. FILL IN ALL REQUIREMENTS WITH THE CORRECT VALUES.
2. USE THE SAME TAX RATE EACH TIME. DON'T FORGET TO DIVIDE BY 100 TO CONVERT IT TO A DECIMAL.
3. SOLVE USING AN AREA MODEL.
4. YOUR FINAL ANSWER MUST BE ROUNDED TO THE NEAREST HUNDREDTH.

PRODUCT #1: _____
TAX RATE: _____
COST: \$ _____

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TOTAL PRODUCT COST: _____

TOTAL: \$ _____

INVESTOR APPROVAL _____



RaTio TaBles and GRaPHS

CReaTe RaTio TaBles PER iTeM
BaSeD ON YoUR PRiCiNG.



PRoDUCt #1 (BuSiNeSS PaRtNeR #1)

QUANtiTY	PRiCe (\$)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

INVESTOR APPROVAL _____



RaTio TaBLES aND GRaPHS

CReaTe RaTio TaBLES PER iTEM
BaSed ON yOuR PRiCiNg.



PRoDuCT #2 (BuSiNeSS PaRtNER #2)

QUANtiTY	PRiCe (\$)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

INVESTOR APPROVAL _____



RaTio TaBLES and GRaPHS

CReaTe RaTio TaBLES PER iTEM
BaSed ON yOuR PRiCiNg.



PRoduct #3 (BUSINESS PaRTNER #3)

QUANtiTY	PRice (\$)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

INVESTOR APPROVAL _____



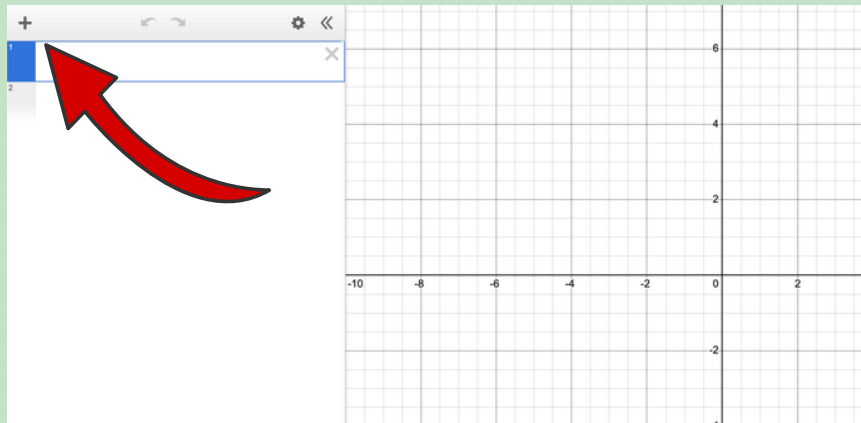
RATIO TABLES AND GRAPHS



USE YOUR RATIO TABLES TO CREATE GRAPHS. EACH PARTNER MUST INPUT THEIR OWN VALUES BUT USE ONLY ONE DEVICE.

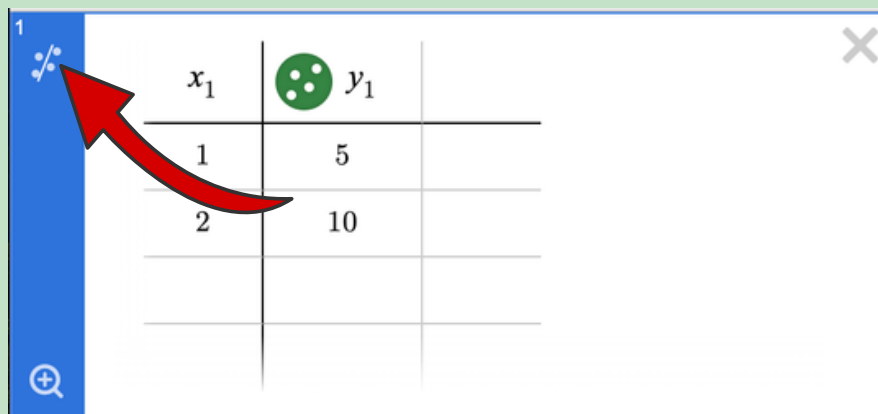
1. GO TO [DEMOS.COM/CALCULATOR](https://www.desmos.com/calculator)

2. CLICK THE + BUTTON IN THE LEFT-HAND CORNER AND SELECT THE TABLE ICON.

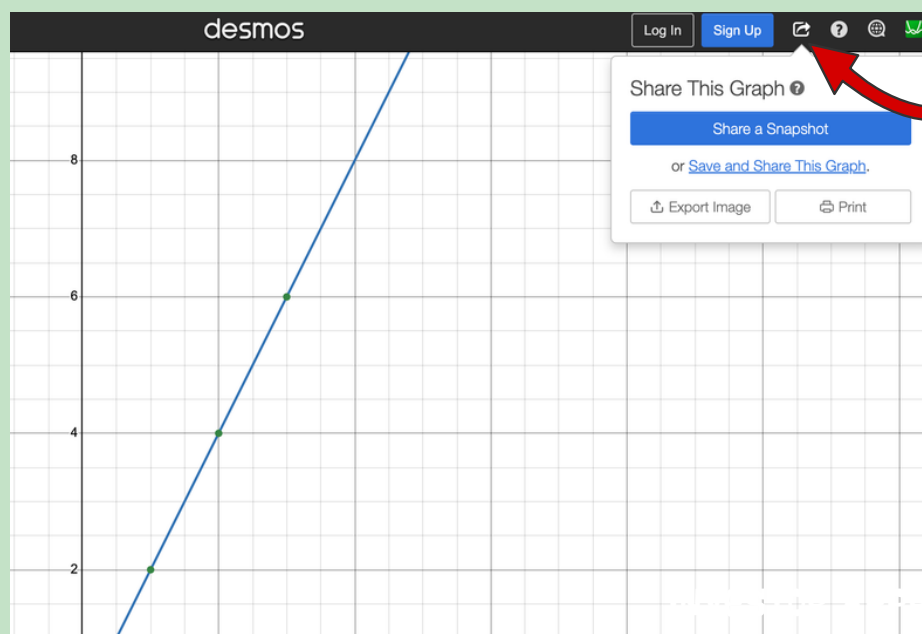


3. EACH BUSINESS PARTNER MUST INPUT THEIR VALUES FROM THE TABLE THEY COMPLETED.

4. AFTER INPUTTING ALL OF YOUR VALUES, CLICK THE LINEAR REGRESSION BUTTON FOR EACH TABLE.



6. THEN CLICK THE ARROW BUTTON → SHARE A SNAPSHOT → COPY THE LINK AND EMAIL IT TO ME.

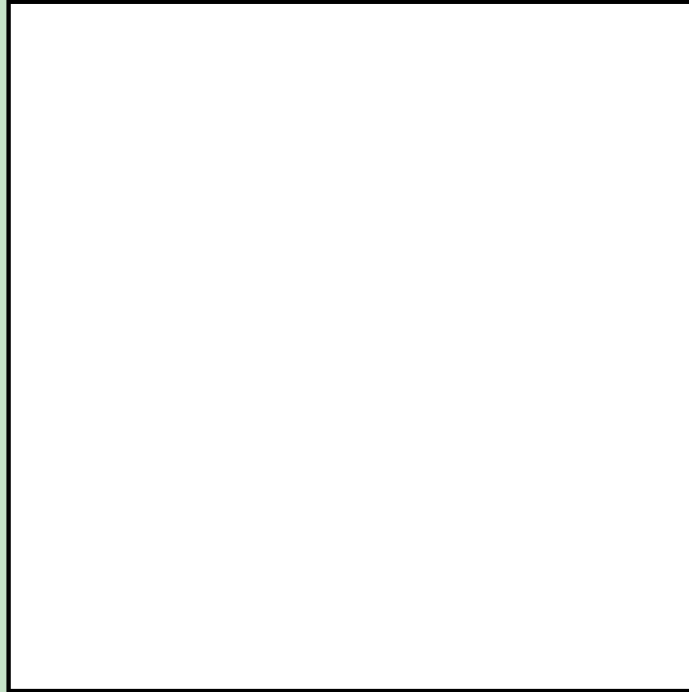


oval

COUPONS

BUSINESS PARTNER #1 WILL DESIGN A 25% COUPON FOR PRODUCT #1 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

25% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

5% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

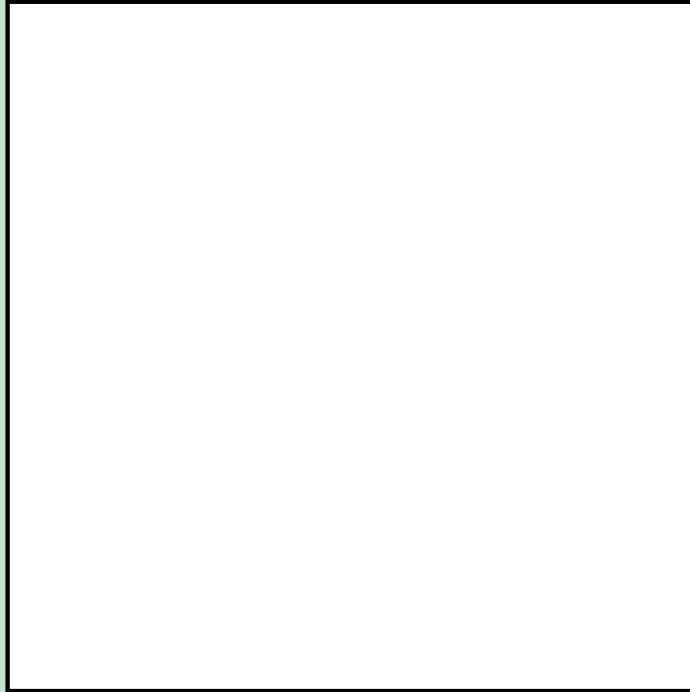
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #1 WILL DESIGN A 15% COUPON FOR PRODUCT #1 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

15% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

5% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

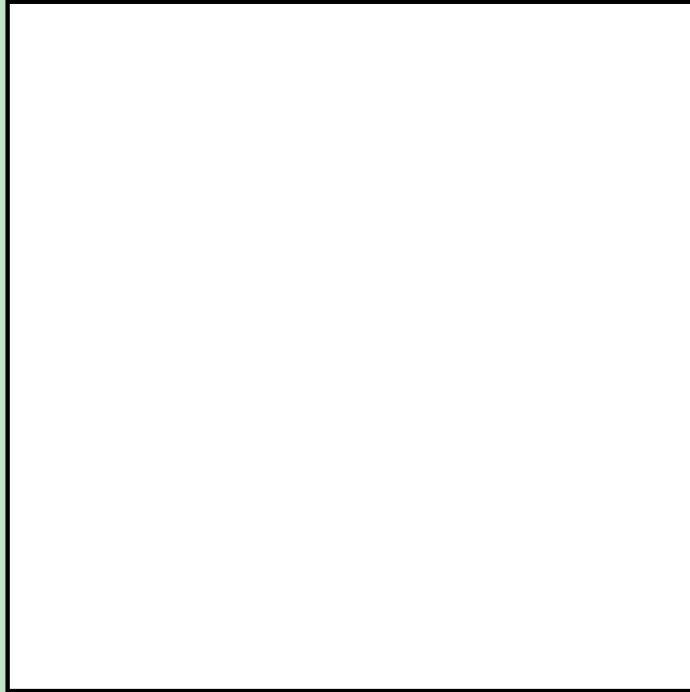
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #1 WILL DESIGN A 30% COUPON FOR PRODUCT #1 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

30% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

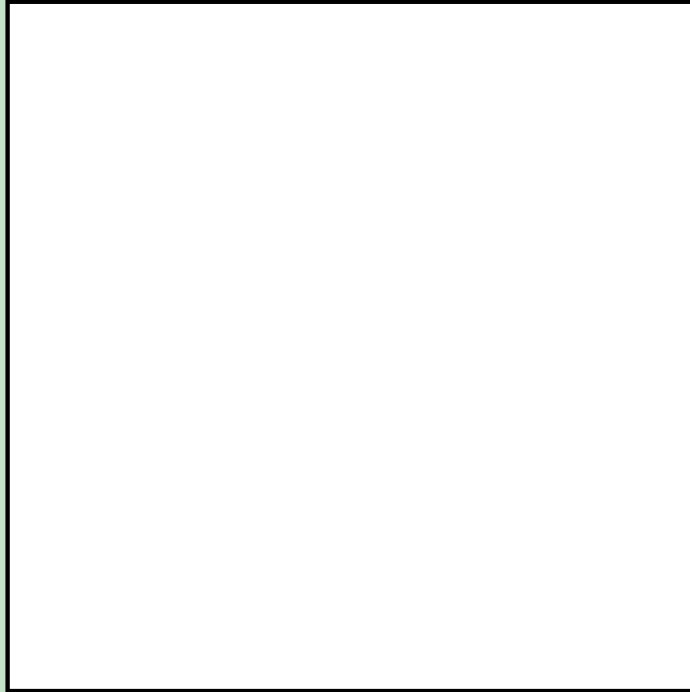
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #2 WILL DESIGN A 25% COUPON FOR PRODUCT #2 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

25% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

5% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

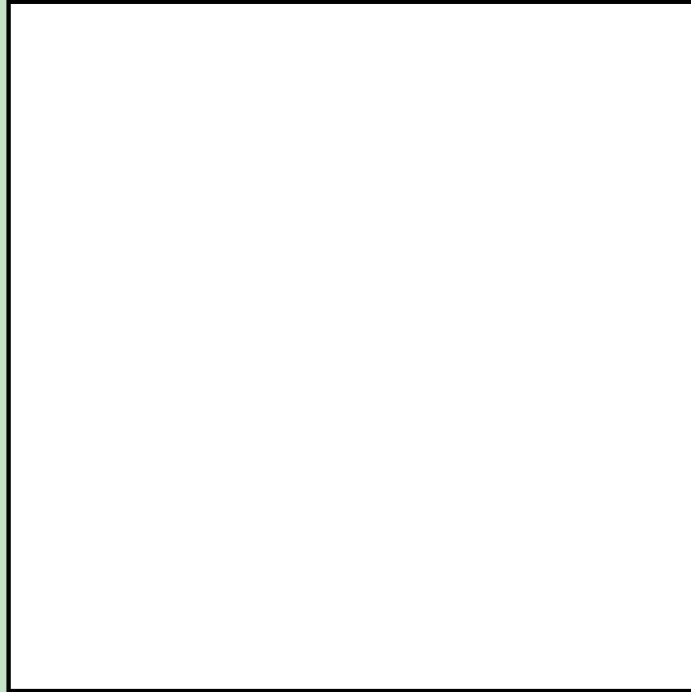
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #2 WILL DESIGN A 15% COUPON FOR PRODUCT #2 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

15% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

5% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

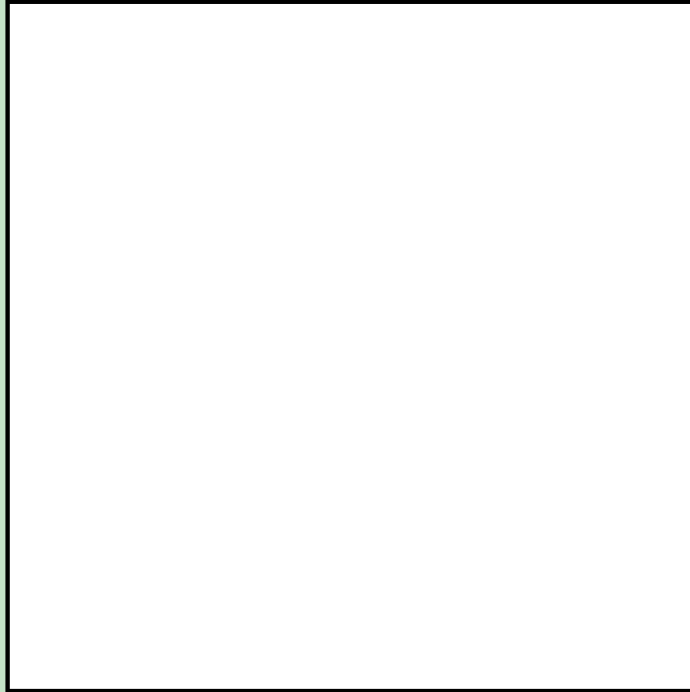
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #2 WILL DESIGN A 30% COUPON FOR PRODUCT #2 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

30% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

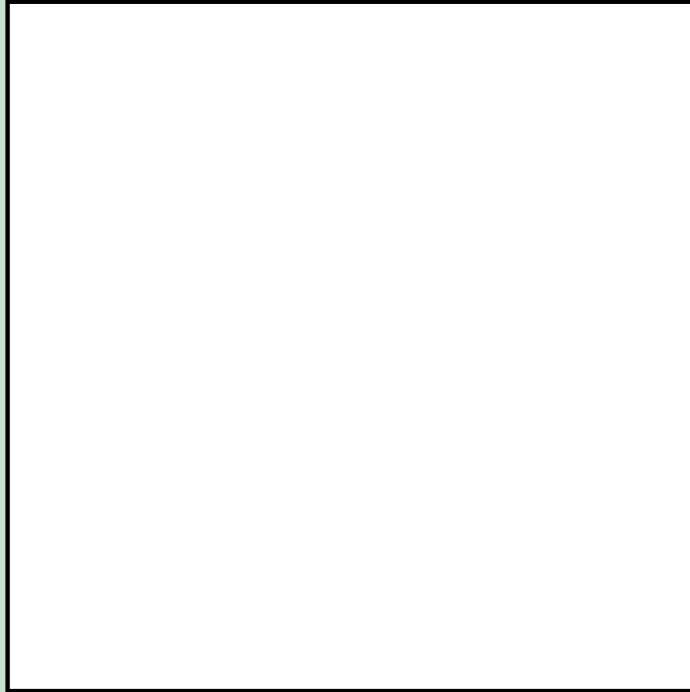
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #1 OR 2 WILL DESIGN A 25% COUPON FOR PRODUCT #3 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

25% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

5% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

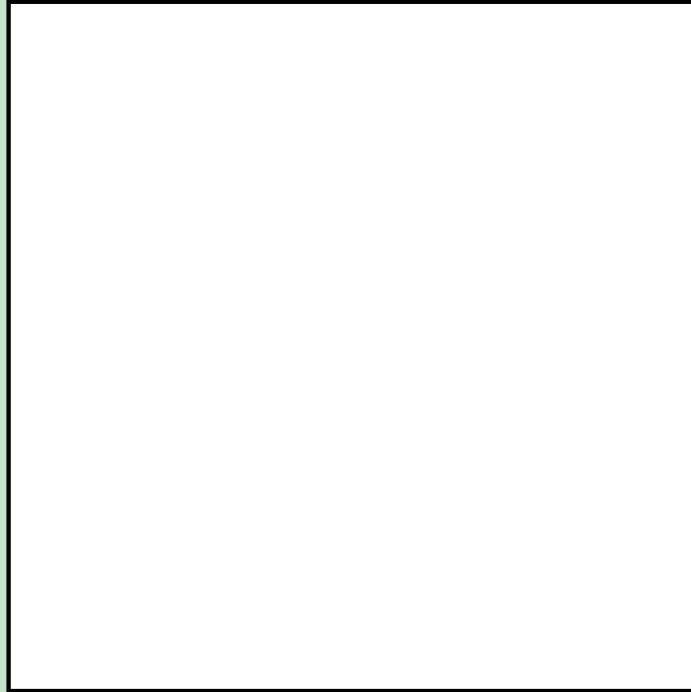
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #1 OR 2 WILL DESIGN A 15% COUPON FOR PRODUCT #3 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

15% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

5% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

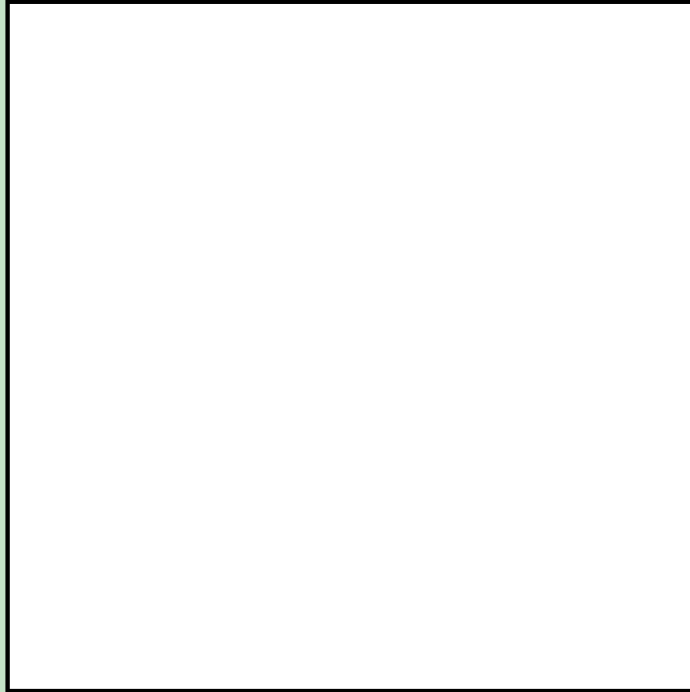
ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____

COUPONS

BUSINESS PARTNER #1 OR 2 WILL DESIGN A 30% COUPON FOR PRODUCT #3 AND SHOW THEIR WORK BELOW USING THE BREAK-APART METHOD.

30% OFF COUPON DESIGN



10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

10% OF \$ _____ = \$ _____

TOTAL DISCOUNT: \$ _____

ITEM PRICE W/ DISCOUNT:

INVESTOR APPROVAL _____