Name:	
1 vanie.	

Chain Discount

Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Chain discounts are a series of discounts. SED is known as a single equivalent discount.

Net Price Rate = Product of Complements of Chain Discount Rates

Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

Which example in the table has an incorrect second net price based on the given chain discount and calculating one column at a time?

			1. 1. 1			
Example	List Price	Chain Discount	First	First Net	Second	Second
		1.00	Discount	Price	Discount	Net Price
1	\$1,369.66	24% less 5%	\$328.72	\$1,040.94	\$52.05	\$992.09
2	2,916.14	25% less 8%	729.04	2,187.10	174.97	2,012.13
3	5,538.86	21% less 6%	1,163.16	4,375.70	262.54	4,113.16
4	3,656.50	28% less 4%	1,023.82	2,632.68	105.31	2,527.37

a. Example 1

b. Example 3

c. Example 2

d. Example 4

Net Price Rate = Product of Complements of Chain Discount Rates

Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

Which example in the table has an incorrect second net price based on the given chain discount and calculating one column at a time?

Example	List Price	Chain Discount	First	First Net	Second	Second
			Discount	Price	Discount	Net Price
1	\$3,828.87	30% less 7%	\$1,148.66	\$2,680.21	\$187.61	\$2,492.60
2	3,495.65	24% less 8%	838.96	2,656.69	212.54	2,444.75
3	2,695.14	19% less 8%	512.08	2,183.06	174.64	2,008.42
4	5,429.64	15% less 7%	814.45	4,615.19	323.06	4,292.13

- a. Example 4
- b. Example 3

c. Example 2

d. Example 1

Net Price Rate = Product of Complements of Chain Discount Rates

Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

Which example in the table has an incorrect second net price based on the given chain discount and calculating one column at a time?

Example	List Price	Chain Discount	First	First Net	Second	Second
			Discount	Price	Discount	Net Price
1	\$4,373.35	28% less 5%	\$1,224.54	\$3,148.81	\$157.44	\$2,993.07
2	3,968.85	24% less 6%	952.52	3,016.33	180.98	2,835.35
3	3,150.74	28% less 4%	882.21	2,268.53	90.74	2,177.79
4	1,300.96	16% less 6%	208.15	1,092.81	65.57	1,027.24

- a. Example 2
- b. Example 4

- c. Example 3
- d. Example 1

Numeric Response

4. Chain discounts are a series of discounts. SED is known as a single equivalent discount.

Net Price Rate = Product of Complements of Chain Discount Rates

Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

Using the net price rate, how much would 7 sofas with a list price of \$708.17 each cost a buyer who has a trade discount of 18% and an additional discount of 4%? Express your answer as a dollar amount to the nearest cent.

Net Price Rate = Product of Complements of Chain Discount Rates

Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

A buyer is purchasing 18 brass beds with a list price of \$698.79 each and 12 sofas with a list price of \$740.54 each. Using the net price rate, what is the cost for a buyer who has a trade discount of 13% and an additional discount of 5%? Express your answer as a dollar amount to the nearest cent.

6. Chain discounts are a series of discounts. SED is known as a single equivalent discount.

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Net Price Rate = Product of Complements of Chain Discount Rates
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Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

Using the net price rate, how much would 3 brass beds with a list price of \$479.31 each cost a buyer who has a trade discount of 20% and an additional discount of 6%? Express your answer as a dollar amount to the nearest cent.

Net Price Rate = Product of Complements of Chain Discount Rates

Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

A buyer is purchasing 8 recliners with a list price of \$749.33 each and 16 oak tables with a list price of \$726.31 each. Using the net price rate, what is the cost for a buyer who has a trade discount of 17% and an additional discount of 7%? Express your answer as a dollar amount to the nearest cent.

8. Chain discounts are a series of discounts. SED is known as a single equivalent discount.

Net Price Rate = Product of Complements of Chain Discount Rates

Net Price = Net Price Rate x List Price

SED = Complement of Net Price Rate

Discount = SED x List Price

A buyer is purchasing 11 brass beds with a list price of \$787.41 each and 12 sofas with a list price of \$639.93 each. Using the net price rate, what is the cost for a buyer who has a trade discount of 28% and an additional discount of 6%? Express your answer as a dollar amount to the nearest cent.

Chain Discount Answer Section

MULTIPLE CHOICE

1.	ANS:	Α	PTS:	1
2.	ANS:	С	PTS:	1
3.	ANS:	D	PTS:	1

NUMERIC RESPONSE

- 4. ANS: 3,902.30
 - **PTS**: 1
- 5. ANS: 17,740.57
 - PTS: 1
- 6. ANS: 1,081.32
 - PTS: 1
- 7. ANS: 13,597.48
 - PTS: 1
- 8. ANS: 11,059.37
 - PTS: 1