

QUANTITY DISCOUNT EXERCISE ANSWER KEY

1. The regular price for a box of pencils is \$2.50. However, there is a 20% discount if you buy 100 or more. What is the total product cost if you buy 200 boxes?
 $\$2.50 - (\$2.50 \times 20\%) = \$2.50 - \$0.50 = \$2$
 $\$2 \times 200 = \400
2. The regular price of answering machines is \$30. However, there is a 15% discount if you buy 100 or more. What is the total product cost if you buy 100 answering machines?
 $\$30 - (\$30 \times 15\%) = \$30 - \$4.50 = \$25.50$
 $\$25.50 \times 100 = \$2,550$
3. The regular price for desks is \$100. However, there is a 10% discount if you buy 10 or more and an additional 10% discount if you buy more than 50. What is the total product cost if you buy 60 desks?
 $\$100 - (\$100 \times 20\%) = \$100 - \$20 = \$80$
 $\$80 \times 60 = \$4,800$
4. The regular price for laptops is \$1,500. However, there is a 25% discount if you buy 10 or more. Is it cheaper to buy 8 or 10 laptops? What is the difference in price?
 $\$1,500 \times 8 = \$12,000$
 $\$1,500 - (\$1,500 \times 25\%) = \$1,500 - \$375 = \$1,125$
 $\$1,125 \times 10 = \$11,250$
It is cheaper to buy 10, you save \$750.
5. The regular price of chairs is \$25 per chair. However there is a 5% discount if you buy 10 or more chairs and a 30% discount if you buy 25 or more chairs. Is it cheaper to buy 20 or 25 chairs?
 $\$25 - (\$25 \times 5\%) = \$25 - \$1.25 = \$23.75 \times 20 = \475
 $\$25 - (\$25 \times 30\%) = \$25 - \$7.50 = \$17.50 \times 25 = \437.50 , cheaper to buy 25
6. The regular price for Indianapolis Colts season tickets is \$1000 a seat. However, if you buy 4 or more season tickets there is a 20% discount. Four individuals decide to join together to take advantage of the discount. How much money did each person save on their seat?
 $\$1000 \times (\$1000 \times 20\%) = \$200$, that is how much each person saves.