**Math TEST KEY: Discounts**

1. You purchase three dozen backpacks at $12.50 each. You negotiate the sale with the following terms: 4/15, n/60. The merchandise is delivered on 7-13-13. Find the following:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  Deadline for discount period | | July 28, 2013 | | | | |  |  |
|  |  |  | |  | |  |  |  |
| Discount amount |  | 18.00 | |  |  |  |  |
|  Deadline for full payment | |  |  |  | |  | |  |
|  | September 11, 2013 | | | | |  |
|  |  |  | | | | |  |  |
| Amount paid with discount |  | | $61,222.54 | |  |  |  |

1. A shipment of rugs arrives on May 9, 2013 in the amount of $62,471.98. The terms on the invoice are 2/10, n/90. Find the following:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  Deadline for discount period | | May 19, 2013 | | | | | |  |  |
|  |  |  | |  |  | |  |  |  |
| Discount amount |  | $1249.44 | | |  |  |  |  |
|  Deadline for full payment | |  |  |  |  | |  | |  |
|  |  | August 7, 2013 | | | | |  |
|  |  |  | | | | | |  |  |
| Amount paid with discount |  | | | $61,222.54 | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  Deadline for discount period | |  |  | March 18 | | | | |  |
|  |  |  |  | |  |  | |  |  |
| Discount amount | $1249.44 | | | | |  |  |  |
|  Deadline for full payment | |  |  | |  | | |  |  |
|  | April 17 | | |  | |  |  |

|  |
| --- |
|  |
| Amount paid with discount |  | $900.02 |  |  |

1. You purchase a printer for $749.99, less 9%, 7%, 6%. What is the final price for the printer?
   * $596.63

5. You purchase the following office furniture:

|  |  |  |
| --- | --- | --- |
|  | Desk | $750 |
|  | Chair | 300 |
|  | Filing cabinet | 150 |
|  | Bookcase | 240 |

The vendor has offered a quantity discount of 11%, plus a promotional discount of 5% on the total purchase. What amount did you write a check for? $1217.52

1. You order Christmas decorations in June and are offered a 10% seasonal discount. The amount of the purchase totals $672.45 and you successfully negotiate the following terms:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Seasonal discount amount | $67.25 | |  |  |
|  |  |  | | |  |
| Deadline for discount | July 13 |  | |  |
|  |  |  | | |  |
| Discount amount | $24.21 | |  |  |
|  |  |  | | |  |
| Full payment amount | $605.21 | | |  |
|  Amount saved after all discounts | |  | | |  |
| $91.45 | |  |  |

1. The following items were ordered on January 13, 2014:
   * 23 lamps @ $17.50 each
   * 12 tables @ $75.00 each
   * 3 couches @ $210.00 each
   * 6 recliners @ $180 each
   * 8 rugs @ $90 each

What is the total order amount before any discounts are offered? $3,732.50

You were granted a chain discount of less 11%, 8%, 5% and a seasonal discount of 4%. Determine the amount of the purchase after discounts are taken: $2,787.23

The merchandise is delivered and billed on January 26th with the following terms on the

Invoice: 4/15, n/60 EOM

* + When is the discount deadline? March 15
  + When is the full payment due? April 29
  + Amount paid if discount is taken $2,675.74
  + Amount to be saved with the discount $111.49
  + What is the TOTAL dollar amount saved with all discounts considered?
    - $1,057.76

1. Find the answers: (2 pts. for each blank)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ITEM** | **PRICE** | | **QUANTITY** |  | **TOTAL** | | | |
|  |  |  |  |  |  |  | |  |
| Shoes | $ | 23.65 | 22 pair | $520.30 | | |  |  |
|  |  |  |  |  |  |  | |  |
| Boots | $ | 51.50 | 14 pair | $721.00 | | |  |  |
|  |  |  |  |  | |  | | |
| Shoelaces |  | .70 | 8 dozen |  | $ 67.20 | | | |
|  |  |  |  |  | |  | |  |
| Shoe polish |  | .84 | 10 doz. | $100.80 | | |  |  |
|  |  |  |  |  | |  | |  |
| Purses | $ | 22.75 | 9 ea. | $204.75 | | |  |  |
|  |  |  |  |  | | |  |  |
| Purses | $ | 8.50 | 10 ea. | $ 85.00 | |  |  |  |