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| You are thinking of advertising Microsoft products on a sports telecast. As you buy more ads, the price of each ad decreases as shown in the following table: | | | | | |
|  |  |  |  |  |  |
| Number of ads | Price per ad |  |  |  |  |
| 1-5 | $12,000 |  |  |  |  |
| 6-10 | $11,000 |  |  |  |  |
| 11-20 | $10,000 |  |  |  |  |
| 21 and higher | $9,000 |  |  |  |  |
|  |  |  |  |  |  |
| For example, if you buy 8 ads, you pay $11,000 per ad, but if you buy 14 ads, you pay $10,000 per ad. | | | | | |
| Write a formula that yields the total cost of purchasing any number of ads. | | | | |  |

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| --- | --- | --- | --- | --- | --- |
| The distance between any two US cities (excluding cities in Alaska and Hawaii) can be approximated by this formula: | | | | | |
|  |  |  |  |  |  |
| 69 \* √ (lat1 - lat2)2 + (long1 - long2)2 | | | |  |  |
|  |  |  |  |  |  |
| The Citydata.xlsx file contains the latitude and longitude of selected US cities. Create a table that gives the distance between any two of the listed cities. | | | | | |
| The Quarterlygnpdata.xlsx workbook contains quarterly GNP data for the United States (in billions of 1996 dollars). |  |  |  |  |  |
| Extract this data to three columns so that the first column contains the year, the second column contains the quarter number, and the third column contains the GNP |  |  |  |  |  |
| The Textstylesdata.xlsx file contains information about the style, color, and size of a variety of shirts. |  |  |  |  |  |
| For example, the first shirt is style 100 (indicated by digits between the colon and the hyphen). |  |  |  |  |  |
| Its color is 65, and its size is L. |  |  |  |  |  |
| Use text functions to extract the style, color, and size of each shirt. | | | | | |
|  | | | | | |

How many workdays (including holidays) are there between July 10, 2005, and August 15, 2006?

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| A project begins on December 4, 2005. The project consists of Activities 1, 2, and 3. |
| Activity 2 can start the day after Activity 1 finishes. |
| Activity 3 can start the day after Activity 2 finishes. |
| Set up a worksheet that accepts as inputs the duration (in days) of the three activities and outputs both the month and year during which each activity is completed. |