

## Arithmetic Series | Word Problems

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- 1) Zoe made an 8 layer multi-strand lavender necklace for her friend Peggy. She used up 55 beads for the first layer, 50 beads in the second layer, 45 beads in the third layer and so on. How many beads in all did Zoe use up to string the necklace?  

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- 2) Mark laid out asphalt shingles in seven overlapping rows to cover a portion of the roof. He placed a shingle right at the top. He increased the number by 2 for every successive row thereafter. How many shingles did he use altogether to cover the section of the roof?  

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- 3) Rachel borrowed a 500-page classic novel from the library. She read 58 pages on Monday, 79 pages on Tuesday, 100 pages on Wednesday and so on. On which day of the week did she finish reading the book?  

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- 4) Larry organizes 537 DVDs in a multi-rack cabinet. He stacks up 62 DVDs in the first rack. Each subsequent rack shows a constant increase in the number of DVDs than the previous rack. If the last rack holds 117 DVDs, how many racks in all does the cabinet contain?  

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- 5) A plant nursery had 15 rows of Zinnia saplings. The first row contained 19 saplings. Each successive row accommodated 6 more saplings than the previous row. How many Zinnia saplings can you find altogether at the nursery?  

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