

Arithmetic Sequence | Word Problems

- 1) Joanna is saving money for her vacation. She opens a new savings account and deposits \$300 in April, \$350 in May, \$400 in June, and so on in an arithmetic sequence. How much money will Joanna deposit in December?
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- 2) A drone covers a distance of 15.5 feet in the 1st second of take off, 28.6 feet in the following second, 41.7 feet in the 3rd second and so on in an arithmetic sequence. Find the distance covered by the drone in the 4th second, 5th second and 6th second respectively.
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- 3) Vivien arranged 45 books on the first rack of the bookshelf. She placed 39 books and 33 books on the second and third racks respectively. If she continued to arrange books on the other racks in an arithmetic sequence, how many books did Vivien keep on the fourth rack?
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- 4) John sold 112 raffle tickets on day 1, 118 tickets on day 2, 124 tickets on day 3, and so on in an arithmetic sequence. How many tickets did he sell on day 4, day 5 and day 6?
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- 5) Fresh registrations are pouring in at a family story time event that had 12 people attending on the first day. The event welcomes 18 new participants on the second day, 24 registrants on the third day, and so on in an arithmetic sequence. How many people registered on the 4th day?
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