

Name : \_\_\_\_\_

## Two-Step Equation Word Problems

- ① Emma is collecting sea glass from the beach. She begins with 16 pieces and adds 2 new pieces per day. How many days will Emma take to have 60 pieces of sea glass in her collection?
  
  
  
  
  
  
  
  
  
  
- ② The sum of three consecutive even numbers is 48. What is the smallest number?
  
  
  
  
  
  
  
  
  
  
- ③ Philippe bought some hats on Monday. On Tuesday he bought 5 hats more. On Wednesday half of the total number of hats that he had was destroyed and he was left with 17 hats. How many hats did he buy on Monday?
  
  
  
  
  
  
  
  
  
  
- ④ The sum of three times  $x$  and 4 is 25. Find  $x$ .
  
  
  
  
  
  
  
  
  
  
- ⑤ Evan sold half his story books and then bought 17 more. He now has 32 books. With how many did he begin?

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## Two-Step Equation Word Problems

### Answers.

- ① Emma is collecting sea glass from the beach. She begins with 16 pieces and adds 2 new pieces per day. How many days will Emma take to have 60 pieces of sea glass in her collection?

Ans: 22

- ② The sum of three consecutive even numbers is 48. What is the smallest number?

Ans: 14

- ③ Philippe bought some hats on Monday. On Tuesday he bought 5 hats more. On Wednesday half of the total number of hats that he had was destroyed and he was left with 17 hats. How many hats did he buy on Monday?

Ans: 29

- ④ The sum of three times  $x$  and 4 is 25. Find  $x$ .

Ans: 7

- ⑤ Evan sold half his story books and then bought 17 more. He now has 32 books. With how many did he begin?

Ans: 30