

One-Step Equations - Integers

Add/Sub: S1

- 1) Natalie visits a grocery store to buy tomatoes. The cost of tomatoes is \$26. She remitted the bill and received \$4 in change from the cashier. How much she paid the cashier?

- 2) Lara and Mae participated in a quiz contest. They scored 23 points in all. If Lara scored 9 points, how many points did Mae score?

- 3) John was gifted with a pack of crayons. Rhea borrowed 13 crayons and John was left with 12 crayons. How many crayons did the pack contain originally?

- 4) Smith and his friends are gaming online on a popular website. An hour later, 6 friends go offline. 5 of them continue playing. How many of them were gaming online initially?

- 5) Trevor took up a school test, the duration of which was one hour. There were two sections to be answered. If he finished the first section in 35 minutes, how much time remained for him to complete the second section?

Answer key**One-Step Equations - Integers**

Add/Sub: S1

- 1) Natalie visits a grocery store to buy tomatoes. The cost of tomatoes is \$26. She remitted the bill and received \$4 in change from the cashier. How much she paid the cashier?

$$x - 26 = 4 ; \$30$$

- 2) Lara and Mae participated in a quiz contest. They scored 23 points in all. If Lara scored 9 points, how many points did Mae score?

$$x + 9 = 23 ; 14 \text{ points}$$

- 3) John was gifted with a pack of crayons. Rhea borrowed 13 crayons and John was left with 12 crayons. How many crayons did the pack contain originally?

$$x - 13 = 12 ; 25 \text{ crayons}$$

- 4) Smith and his friends are gaming online on a popular website. An hour later, 6 friends go offline. 5 of them continue playing. How many of them were gaming online initially?

$$x - 6 = 5 ; 11 \text{ persons}$$

- 5) Trevor took up a school test, the duration of which was one hour. There were two sections to be answered. If he finished the first section in 35 minutes, how much time remained for him to complete the second section?

$$x + 35 = 60 ; 25 \text{ minutes}$$

One-Step Equations - Integers

Add/Sub: S2

- 1) Betty is baking a Texas sheet cake. The recipe calls for 6 cups of flour. If she had already put in 4 cups into the mixing bowl, how many more cups does she need to make the batter?

- 2) Janet won the jelly bean hunt on Easter for which she was gifted a pack of candies. She opened her pack and found 50 candies. She gave 18 candies to her friends. If Janet is left with 42 candies, how many friends did she have?

- 3) Clara visits the store and buys 100 items. She has already bought 60 items. How many more items does she need to choose?

- 4) Michael has 73 friends on his social media account and now has 15 more friends. How many friends were added to Michael's account?

- 5) Uncle Fred gifted his niece 9 books from his collection of science fiction books. If he had 10 books remaining now, how many books did Fred have in his collection?

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Answer key**One-Step Equations - Integers**

Add/Sub: S2

- 1) Betty is baking a Texas sheet cake. The recipe calls for 6 cups of flour. If she had already put in 4 cups into the mixing bowl, how many more cups does she need to make the batter?

$$x + 4 = 6 ; 2 \text{ cups}$$

- 2) Janet won the jelly bean hunt on Easter for which she was gifted a pack of candies. She opened her pack and found 23 candies. If Janet is left with 42 candies, how many friends did she have?

$$x - 23 = 42$$

- 3) Clara visits the Rite Aid store and buys 5 packs of tissues. She has already bought 7 packs. How many more packs does she need to choose?

$$x + 5 = 12 ; 7$$

- 4) Michael has 73 friends on his social media account and now he has added 14 more friends. How many friends were added to his account?

$$x + 73 = 87 ; 14 \text{ friends}$$

- 5) Uncle Fred gifted his niece 9 books from his collection of science fiction books. If he had 10 books remaining now, how many books did Fred have in his collection?

$$x - 9 = 10 ; 19 \text{ books}$$

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One-Step Equations - Integers

Add/Sub: S3

- 1) Tom has 25 bumblebee marbles and Marcus has a few more than Tom. If they have 56 marbles in all, how many bumblebee marbles does Marcus have?

- 2) The St. Xavier's college organized a lecture for some senior professors in an auditorium. Eleven professors attended the lecture. If 82 professors attended the lecture, how many more professors attended the lecture?

- 3) Louise has 500 cents and now has a total of 1000 cents. How much money from Uncle Jim did she receive? If Uncle Jim give his favorite niece?

- 4) James purchased 10 tickets for his colleagues at a concert. If he sold 7 tickets to his colleagues, how many tickets did he purchase?

- 5) Ruby has to climb 36 steps to reach her apartment, which is on the second floor of the residential complex. If it takes 18 steps to reach the first floor, how many more steps does Ruby need to climb to reach her apartment?

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Answer key**One-Step Equations - Integers**

Add/Sub: S3

- 1) Tom has 25 bumblebee marbles and Marcus has a few more than Tom. If they have 56 marbles in all, how many bumblebee marbles does Marcus have?

$$x + 25 = 56 ; 31 \text{ marbles}$$

- 2) The St. Xavier's college organized a lecture for some senior professors in an auditorium. Eleven professors attended the lecture. If 82 professors attended the lecture, how many more professors attended the lecture than the number of professors who attended the lecture?

$$x - 82 = 11$$

- 3) Louise has 500 coins and now has a total of 700 coins. How many coins did she receive from Uncle Jim? If 82 professors attended the lecture, how many more professors attended the lecture than the number of professors who attended the lecture?

$$x + 500 = 700$$

- 4) James purchased 8 tickets for his colleagues at a concert. He sold 7 tickets to his colleagues. How many tickets did he purchase?

$$x - 7 = 8 ; 15 \text{ tickets}$$

- 5) Ruby has to climb 36 steps to reach her apartment, which is on the second floor of the residential complex. If it takes 18 steps to reach the first floor, how many more steps does Ruby need to climb to reach her apartment?

$$x + 18 = 36 ; 18 \text{ steps}$$

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