

Name:

Date: Score:

Linear Equations Word Problems Worksheet

- ① Tickets to a movie cost \$11 for people above 14 years (adult ticket) and \$7 for people below 14 years (child ticket). A group of friends purchased 8 tickets for \$76. Write equations to represent the situation. How many adult tickets and child tickets were purchased?

- ② If 28 less than five times a certain number is 232 what is the number?

- ③ The sum of three consecutive even integers is 123. What are the integers?

- ④ The sum of three consecutive even numbers is 276. What are the numbers?

- ⑤ The second angle of a triangle is double the first. The third angle is 40 less than the first. Find the three angles.

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Linear Equations Word Problems Worksheet Answers

- ① Tickets to a movie cost \$11 for people above 14 years (adult ticket) and \$7 for people below 14 years (child ticket). A group of friends purchased 8 tickets for \$76. Write equations to represent the situation. How many adult tickets and child tickets were purchased?

Numbers of adult tickets = 5

Number of child tickets = 3

- ② If 28 less than five times a certain number is 232 what is the number?

52

- ③ The sum of three consecutive even integers is 123. What are the integers?

40, 41, 42

- ④ The sum of three consecutive even numbers is 276. What are the numbers?

90, 92, 94

- ⑤ The second angle of a triangle is double the first. The third angle is 40 less than the first. Find the three angles.

55, 110, 15
