

Two-Step Equations - MCQ

Sheet 3

Read and interpret each word problem and choose the two-step equation that best represents the situation.

- 1) Daniel and John ordered a New York-style pizza which has 8 slices in total. Daniel ate x slices of pizza while John consumed one third of what Daniel had.

a) $x - 3x = 8$

b) $x + \frac{x}{3} = 8$

c) $3x - x = 8$

d) $x - \frac{x}{3} = 8$

- 2) The parking lot at D... had a total of 54 parking spaces. 18 parking spaces were occupied by the employees of the restaurant and the remaining parking spaces were occupied solely for the customers.

a) $54 - x = 36$

c) $36x - 18 = 54$

- 3) 8 groups of students accompanied by 6 school buses arrived at an exhibition. The exhibition was visited by school buses of 294 Dominicans visited the exhibition.

a) $8x + 6 = 294$

c) $8x + 294 = 6$

- 4) Sam decides to run a video game that is \$10 per hour. He also has to give up money to buy a video game that is \$25.56 per hour. He has to work for x hours for which he earns \$59.88 for the job done.

a) $25.56x - 10 = 59.88$

c) $25.56 + 10x = 59.88$

d) $59.88 + 10x = 25.56$

- 5) The balance in Jamie's checking account in the month of June was thrice the amount of what it was in the month of May. He swiped his card for \$69 in the restaurant which caused his account to be overdrawn by \$9.

a) $3x + 69 = 9$

b) $3x + 69 = -9$

c) $3x - 69 = 9$

d) $3x - 69 = -9$

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Answer key**Two-Step Equations - MCQ**

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- c) $3x - x = 8$ d) $x - \frac{x}{3} = 8$
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- a) $54 - x = 36$
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