2016 Mathematics Standards of Learning

Algebra Readiness Formative Assessment

# 5.19d

1. Create a word problem the could be used to describe the given equation .
2. Create a word problem that could be used to describe the given equation .
3. Which of these problems can be solved by using the equation z – 8 = 40
4. Natalie has some cherry tomatoes that she shares with 8 of her friends. If each friend receives 40 tomatoes, how many tomatoes did she start with?
5. Sam had some paper clips, and his friend gave him 8 more. He now has 40 paper clips. If *z* represents the number of paper clips he started with, how many did start with?
6. Melissa ate 8 blueberries. If *z* is the amount of blueberries she started with, and she has 40 left, how many blueberries did she start with?
7. Jack earns $8 every time he mows the lawn. If he earned $40 and *z* represents the number time he mowed the lawn, how many times did he mow the lawn?
8. Which of these could be solved by using the equation
9. Marsha plants some daisies. Then she plants 7 tulips. There are 35 flowers in all. If x represents the number of daisies Marsha planted, how many daisies did she plant?
10. Mobee works for 7 hours. He earns a certain amount of money for each hour he works and makes a total of $35. If x represents the amount of money he earns per hour, how much money does he make per hour?
11. Tamika has some cookies and eats 7 of them. There are 35 cookies left. If x represents the number of cookies she started with, how many cookies did she start with?
12. Pam has some candy that she shares with 7 friends. Each friend receives 35 pieces of candy. If x represents the number of pieces of candy Pam had, how many did she have?
13. Bella brought stickers to give to 12 of her friends. Each friend received 4 stickers. Which equation describes how many stickers Bella brought to school?
14. 4x = 12
15. x – 4 = 12

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