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 $8x=48$.
2. Create a word problem that could be used to describe the given equation $\frac{x}{7}=9$.
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 $7x=35$
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. $\frac{x}{4}=12$
16. $ x+ 4 = 12$
17. x – 4 = 12

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