



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Sandi doesn't know how many red jelly beans are in the bag. She does know there are **100** jelly beans in **total** and there are **twice as many green as red**. The last **10** jelly beans are yellow. Write the **algebraic expression** for this problem.

- A  $n + 2n + 10 = 100$     C  $100 \div 2n = 20$   
 B  $3n * 10 = 100$         D  $100 - 10 = n$

2 A truck can carry **twice as many** potatoes as cabbages. If there are a **thousand** vegetables on the truck, how could the **number of potatoes** be calculated?



- A  $1,000 \times (n + 2)$     C  $2n + n = 1,000$   
 B  $2n - n = 1,000$     D  $1,000 - 2n$

3 If  $n = 4$ , then  $n^3 + n =$  \_\_\_\_\_.

- A 20  
 B 36  
 C 16

$4^3 + 4 =$

4  $6n + (n - 1)$

In this problem, which operation should be done first?



5



## PREVIEW

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D large numbers



9 If  $n = 10$ , then  $n^2 \div 2 = 10$ .

- A true  
 B false

Solve using order of operations!



10 Which algebraic equation is equal to  $n * n + n - 1$ ?

- A  $3n - 1$   
 B  $n \times n \times n - 1$   
 C  $n^3 - 1$   
 D  $n^2 + n - 1$

Solve & Simplify





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(A)

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(C)

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(D)

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In this problem, which operation should be done first?



(C)

5



(A)

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(C)

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(B)

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Solve & Simplify



(D)