



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 $n^3 + n = \underline{\hspace{2cm}}$.

- 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)

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 $2n + n = 1,000$
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(C)

3 If $n = 4$, then $n^3 + n =$ _____.

- A 20
 B 36
 C 16

$4^3 + 4 =$

(D)

4 $6n + (n - 1)$

In this problem, which operation should be done first?



(C)

5



(A)

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(C)

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

- A true
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Solve using order of operations!



(B)

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



(D)