

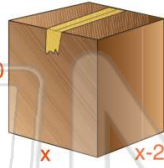


Name _____ Class _____ Date _____

- 1 A box has a length of x , a width of the length diminished by 2 and a height of 10 more than the length. **In terms of x** , what is the **volume** of the box?

$V = l \cdot w \cdot h$

- A x^3
 B $x \cdot (x + 2) \cdot (x + 10)$
 C $x \cdot (x - 2) \cdot (x + 10)$
 D $x \cdot (2x) \cdot (x + 10)$



- 2 Which expression **represents** the following?

The quotient of a number cubed divided by 4.

- A $\frac{n^3}{4}$ B $\frac{n^2}{4}$ C $\frac{4}{n^3}$ D $\frac{n}{4^3}$

- 3 Evaluate when $n = 11$.

$\frac{12n}{4} = \square$

A 3

- 4 Which expression **represents** the following?

Thirty-seven more than four times a number.

5



PREVIEW

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7

- A $\frac{1}{2}(2n + 4)$ C $(\frac{1}{2} \cdot 2) + (n + 4)$
 B $(\frac{1}{2} \cdot 2) \cdot (n + 4)$ D $2(2n + 4)$

- A $4n$
 B $2n + 2(\frac{1}{2}n)$
 C $4(\frac{1}{2}n)$
 D $2n + (\frac{1}{2}n)$



- 9 Evaluate when $x = 6$.

$x^2 \cdot x + 3 = \square$

- A 21
 B 45
 C 81
 D 219

- 10 Which expression **represents** the following?

Three times a number increased by six.

- A $3(n + 6)$
 B $6n + 3$
 C $3n + 6$
 D $6(n + 3)$



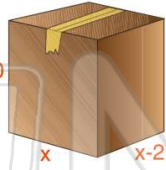
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(C)

2

Which expression **represents** the following?

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(A)

3

Evaluate when $n = 11$.

$$\frac{12n}{4} = \square$$

A 3

(B)

4

Which expression **represents** the following?

Thirty-seven more than four times a number.

(D)

5



(D)

PREVIEW

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(C)