

Based on the order of operations, which shows the first step in simplifying this expression?

$$16 \div 2 + 6 (7 + 4 \times 5)$$

- $O_{A.8} + 6(7+4x5)$

- OB. $16 \div 8(7+4x5)$ Oc. $16 \div 2 + 6(11x5)$ OD. $16 \div 2 + 6(7+20)$
- 2. Which is equivalent to the following?

$$32 - 14 + 26 - (81 \div 9) \cdot 2$$

- OA. 26
- OB. 10
- OC. 70
- OD. 52
- What is the value of the following expression? Write the answer in the box.

- Which is NOT equivalent to the value of 22?
- O A. 7 + (15 5) x 3 ÷ 2
- O B. (15-5) + 8 x 2 4
- O C. 16 + 3 x (15 5) ÷ 5
- O D. 3 x 4 7 + (15 5)
- When simplifying the following using the order of operations, which operation should be performed first? 5.

$$8 - 6 \div 3 \cdot 7 + 2$$

- OA. 6 ÷ 3
- **O**B. 8 6
- Oc. 3 7
- OD. 7+2

6. Select all of the expressions that are equivalent to 45. Shade the box(es) to select.

43 + 20 ÷ 2(7 - 2)	44 - 20 ÷ 4 + 6
37 - (5 + 2) + 29	3 + 6(2 + 3)

7. What is equivalent to 16 + (48 - 12) ÷ 6 - 5 x 2?

OA. 52

OB. 12

OC. 98

OD. 88

8. When simplifying the following, using the order of operations, which operation should be performed first?

$$6 + 4 \div 8 \cdot 9 - 4$$

OA. 9 - 4

OB. 8 • 9

OC. 4 ÷ 8

OD. 6+4

9. Which is equivalent to the following?

$$5 \cdot 2 + 12 \cdot 6 \div 1$$

OA. 72

OB. 82

OC. 420

OD. 132

10. What is the value of the following expression? Write the answer in the box.

$$(45 - 13) \div 8 + 15 - 7$$

