

Exam not valid for Paper Pencil Test Sessions

- 1 **When simplifying the following, using order of operations, which operation should be performed first?**

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

- A $8 \bullet 9$
B $9 - 4$
C $6 + 4$
D $4 \div 8$
- 2 **What is equivalent to $16 + (48 - 12) \div 6 - 5 \times 2$?**
- A 88
B 52
C 98
D 12
- 3 **What is equivalent to $45 - 9 + (32 - 6) \div 2$?**
- A 55
B 49
C 31
D 65
- 4 **What is equivalent to $28 + 4 \times (3 + 12) \div 6$?**
- A 48
B 42
C 80
D 38

- 5 **When simplifying the following, using order of operations, which operation should be performed first?**

$$8 - 4 \div 2 + 3 \cdot 5$$

- A $2 + 3$
- B $4 \div 2$
- C $8 - 4$
- D $3 \cdot 5$

- 6 Directions: Type your answer in the box.

What is the value of $152 - (14 + 22) \times 3$?

- 7 **What is the value of this expression?**

$$6 + 4(8 - 5)$$

- A 18
- B 30
- C 33
- D 72

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

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

- A $8 + 6(7 + 4 \times 5)$
- B $16 \div 8(7 + 4 \times 5)$
- C $16 \div 2 + 6(11 \times 5)$
- D $16 \div 2 + 6(7 + 20)$

- 9 **Using order of operations, which calculation should be done first to simplify this expression?**

$$36 - 2(6 + 6) \div 2$$

- A $6 + 6$
- B 2×6
- C $6 \div 2$
- D $36 - 2$

- 10 Using order of operations, which calculation should be done first to simplify this expression?

$$48 + 3 \times (4 + 8) \div 4$$

- A $48 + 3$
- B $4 + 8$
- C $8 \div 4$
- D 3×4

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

$$12 + 14 \div 2 \cdot 8 - 6$$

- A $14 \div 2$
- B $8 - 6$
- C $2 \cdot 8$
- D $12 + 14$

- 12 What is equivalent to $(75 - 9) \div 3 \times 4 + 17$?

- A 462
- B 46
- C 105
- D 80

- 13 Using order of operations, which calculation should be done first to simplify this expression?

$$36 - 2 \times (6 + 6) \div 2$$

- A 2×6
- B $6 + 6$
- C $6 \div 2$
- D $36 - 2$

- 14 What is equivalent to $45 + 3 \times (9 + 18) \div 9$?

- A 74
- B 144
- C 54
- D 50

15

$$\frac{10 + 30 \div 5}{28 \div 7 \cdot 2} =$$

- A 4
- B 8
- C 1
- D 2

16 What number is equal to $2 \bullet 8 - 4 \div 4$?

- A 15
- B 2
- C 3
- D 14

17 Which is NOT equivalent to the value of 22?

- A $3 \times 4 - 7 + (15 - 5)$
- B $7 + (15 - 5) \times 3 \div 2$
- C $16 + 3 \times (15 - 5) \div 5$
- D $(15 - 5) + 8 \times 2 - 4$

18 What is equivalent to $28 + 4(3 + 12) \div 6$?

- A 42
- B 48
- C 38
- D 80

19 Using order of operations, which calculation should be done first to simplify this expression?

$$61 + 4 \times (5 + 10) \div 5$$

- A 4×5
- B $61 + 4$
- C $10 \div 5$
- D $5 + 10$

- 20 Using order of operations, which calculation should be done first to simplify this expression?

$$61 + 4 \times (5 + 10) \div 5$$

- A $10 \div 5$
- B $5 + 10$
- C $61 + 4$
- D 4×5