

Order of Operations Practice!

- Linda writes the expression $12 + (2 \times 5)$ to represent the number of books she packed. Which story matches the expression she wrote?
 - Linda packed a box with 12 books. Then she packed 2 boxes with 5 books in each box.
 - Linda packed a box with 12 books. Then she packed the box with 2 books and 5 more.
 - Linda packed a box with 12 books. Then she packed a box with 2 books and another box with 5 books.
 - Linda packed 5 boxes with 2 books in each box. Then she packed 5 boxes with 12 books in each box.

- Daniel simplified a numerical expression. The correct answer is 6. Which could be the expression?
 - $(12-8) \times 9$
 - $9 + (12-8)$
 - $12 \div (9-8)$
 - $(8 \times 9) \div 12$

- A jewelry designer has 120 beads. In one day, she uses 3 packets of 12 beads and 4 packets of 10 beads. Which expression represents the number of beads left at the end of the day?
 - $120 - [(3 \times 12) + (4 \times 10)]$
 - $[120 - (3 \times 12)] + (4 \times 10)$
 - $120 - [(3+4) \times (12+10)]$
 - $120 - (3 \times 12 + [4 \times 10])$

- What is the value of the expression?
$$4 \times [(25 \times 1) + (12 \times 2)]$$
 - 148
 - 196
 - 28
 - 49

5. Which words match the expression?

$$(3 \times 6) \div 3$$

- Ella has 4 boxes of granola bars. Then she buys 6 more granola bars. She shares all the granola bars equally among 3 friends.
- Ella has 3 boxes with 6 granola bars in each box. She shares all the granola bars equally among 3 friends.
- Ella has 6 granola bars. She divides each granola bar into 3 equal pieces. She shares all of the pieces equally among 4 friends.
- Ella has 4 boxes with 6 granola bars in each box. She shares the granola bars equally among 3 friends.

6. Polly needs to simplify $6 \times (12-8) + 7$. What should be her first step?

- Multiply 6 by 12.
- Multiply 6 by 7.
- Add 8 to 7.
- Subtract 8 from 12.

7. Which expression has a value of 4?

- $16 - [(13+7) - (12+4)]$
- $[(16-13)+7] - (12+4)$
- $16 \div [(13+7) - (12+4)]$
- $16 \div [(13-7) + (12-4)]$

8. A baker baked 250 cupcakes. He sold 4 boxes of 12 chocolate cupcakes, and 20 boxes of 6 vanilla cupcakes. Which expression shows how many of the cupcakes were left?

- $[250+4 \times 12] - (20 \times 6)$
- $250 - [4 \times (12 \times 20 \times 6)]$
- $250 + [(4 \times 12) \times (20 \times 6)]$
- $250 - [(4 \times 12) + (20 \times 6)]$

9. The classroom has 12 chairs on the right side of the room, 15 chairs on the left, and 9 chairs stacked in the back. Mrs. Kim wants to divide the chairs evenly into 3 groups.

Which expression represents the situation?

- a. $12 + 15 + 9 \times 3$
- b. $12 + 15 + (9 \div 3)$
- c. $12 + 15 + 9 + 3$
- d. $(12 + 15 + 9) \div 3$

10. Mr. Still is driving to a town 85 miles away. He drives 35 miles per hour for 2 hours before stopping for lunch. He drives 6 more miles and stops for gas. Which expression shows how many miles Mr. Still has left to drive?

- a. $85 - (35 \times 2) - 6$
- b. $85 - 35 - 2 - 6$
- c. $(85 - 35) \times 2 - 6$
- d. $85 - 35 + 2 - 6$

11. Which is the value of the numerical expression below?

$$30 \div (3+2) \times 8$$

- a. 96
- b. 48
- c. 26
- d. 40

12. Kayla and Carter each simplified one of the expressions below. If they add their results together, what will be their sum?

Kayla: $4 \times 11 - 5 + 12$

Carter: $4 \times 11 - (5 + 12)$

- a. 78
- b. 44
- c. 102
- d. 54

13. Bekah simplified the expression below. Then she multiplied the value of the expression by 5. What is Bekah's product?

$$36 + 6 \div 3 + 2$$

- a. 16
 - b. 80
 - c. 40
 - d. 200
14. Which expression has a value equal to the value of the expression:

$$4 \times [(12+4) - (12 \div 3)] ?$$

- a. $(4 \times 12) + 4$
 - b. $4 \times (16 - 4)$
 - c. $4 + (12 \times 4)$
 - d. $4 \times 12 + 4$
15. The principal conducted a school assembly every school day for a week. On Monday, 78 students attended. Then 6 classes with 25 students in each class attended each day for the next three days. On Friday, 8 classes with 32 students in each class attended the assembly. How many students attended the assembly?
- a. 606
 - b. 484
 - c. 706
 - d. 784