

LESSON
1-3**Practice B****Order of Operations****Simplify each expression.**

1. $10 + 6 \times 2$

2. $(15 + 39) \div 6$

3. $(20 - 15) \times 2 + 1$

4. $(4^2 + 6) \div 11$

5. $9 + (7 - 1) \times 2$

6. $(2 \times 4) + 8 - (5 \times 3)$

7. $5 + 18 \div 3^2 - 1$

8. $8 + 5 \times 10 - 12$

9. $14 + (50 - 7^2) \times 3$

Add parentheses so that each equation is correct.

10. $7 + 9 \times 3 - 1 = 25$

11. $2^3 - 7 \times 4 = 4$

12. $5 + 6 \times 9 + 3 = 23$

13. $12 \div 3 \times 2 = 2$

14. $8 + 3 \times 6 - 4 - 1 = 13$

15. $4 \times 3^2 + 1 = 40$

16. $9 \times 0 + 5 - 3 = 42$

17. $15 \times 3^2 - 2^3 = 15$

18. $14 \div 2 + 5 \times 5 = 10$

19. Tyler walked 2 miles a day for the first week of his exercise plan. Then he walked 3 miles a day for the next 9 days. How many miles did Tyler walk in all?

20. Paulo's father bought 8 pizzas and 12 bottles of juice for the class party. Each pizza cost \$9 and each bottle of juice cost \$2. Paulo's father paid with a \$100-bill. How much change did he get back?

LESSON
1-3**Problem Solving****Order of Operations**

Evaluate each expression to complete the table.

Mammals with the Longest Tails

| | Mammal | Expression | Tail Length |
|----|------------------|-------------------------------|--------------------|
| 1. | Asian elephant | $2 + 3^2 \times 7 - (10 - 4)$ | |
| 2. | Leopard | $5 \times 6 + 5^2$ | |
| 3. | African elephant | $6 \times (72 \div 8) - 3$ | |
| 4. | African buffalo | $51 + 6^2 \div 9 - 12$ | |
| 5. | Giraffe | $4^3 - 3 \times 7$ | |
| 6. | Red kangaroo | $11 + 48 \div 6 \times 4$ | |

Choose the letter for the best answer.

7. Adam and his two brothers went to the zoo. Each ticket to enter the zoo costs \$7. Adam bought two bags of peanuts for \$4 each, and one of his brothers bought a lion poster for \$12. Which expression shows how much money they spent at the zoo in all?
- A $7 + 4 + 12$
 B $7 \times 3 + 4 + 12$
 C $7 \times 3 + 4 \times 2 + 12$
 D $(7 \times 3) + (4 \times 12)$
8. An elephant eats about 500 pounds of grass and leaves every day. There are 2 Africa elephants and 3 Asian elephants living in the City Zoo. How many pounds of grass and leaves do the zookeepers need to order each week to feed all the elephants?
- F 2,500 pounds
 G 17,500 pounds
 H 3,000 pounds
 J 21,000 pounds
9. The average giraffe is 18 feet tall. Which of these expressions shows the height of a giraffe?
- A $4^2 - 2$
 B $3 \times 12 \div 4 + 2$
 C $3^3 + 9 \times 6$
 D $20 \div 5 + 5 - 6$
10. Some kangaroos can cover 30 feet in a single jump! If a kangaroo could jump like that 150 times in a row, how much farther would it need to go to cover a mile? (1 mile = 5,280 feet)
- F 780 feet H 176 feet
 G 26 feet J 5,100 feet