

1-2 Skills Practice

Order of Operations

Evaluate each expression.

1. $(5 + 4) \cdot 7$

3. $4 + 6 \cdot 3$

5. $12 + 2 \cdot 2$

7. $9 + 4(3 + 1)$

9. $30 - 5 \cdot 4 + 2$

2. $(9 - 2) \cdot 3$

4. $28 - 5 \cdot 4$

6. $(3 + 5) \cdot 5 + 1$

8. $2 + 3 \cdot 5 + 4$

10. $10 + 2 \cdot 6 + 4$

Use
→ →
PE(MD)(AS)

* LOOK

ALL WORK ON LOOSE LEAF

EX $(2+5) \cdot 6$

$$(2+5) 6$$

$$12 + 30 = \boxed{42}$$

OR

$$6(2+5)$$

$$12 + 30 = \boxed{42}$$

Use the Distributive Property to find each product.

11. $5 \cdot 89$

12. $9 \cdot 99$

13. $15 \cdot 104$

14. $15\left(2\frac{1}{3}\right)$

15. $12\left(1\frac{1}{4}\right)$

16. $8\left(3\frac{1}{8}\right)$

EX

$$3 \cdot 27$$

$$3(20+7)$$

$$60 + 21$$

$$\boxed{81}$$

Evaluate each expression if $x = 6$, $y = 8$, and $z = 3$.

17. $xy + z$

18. $yz - x$

19. $2x + 3y - z$

20. $2(x + z) - y$

21. $5z + (y - x)$

22. $5x - (y + 2z)$

23. $x^2 + y^2 - 10z$

24. $z^3 + (y^2 - 4x)$

25. $\frac{y + xz}{2}$

26. $\frac{3y + x^2}{z}$

EX

$$\frac{x}{y} + z$$

$$\frac{(\quad)}{(\quad)} + (\quad)$$

$$\frac{(6)}{(8)} + (3)$$

$$\frac{6}{8} + 3$$

$$\frac{3}{4} + 3 = \boxed{3\frac{3}{4} \text{ or } \frac{15}{4}}$$

This will be one step when you do it. Use PARENTHESES!