

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The title 'ORDER OF OPERATIONS' is centered in a bold, blue, sans-serif font.

ORDER OF OPERATIONS

SECTION 1.3

ORDER OF OPERATIONS

- **PEMDAS**
 - P: PARENTHESES
 - E: EXPONENTS
 - MD: MULTIPLICATION/DIVISION
(FROM LEFT TO RIGHT)
 - AS: ADDITION/SUBTRACTION
(FROM LEFT TO RIGHT)

EXAMPLES

1.) $5 + 3 \times 4$

$$5 + 12$$

$$17$$

2.) $6 \times 2 \div 4$

$$12 \div 4$$

$$3$$

3.) $6 + 3^2$

$$6 + 9$$

$$15$$

4.) $-4 + 6 - 5 + 4$

$$1$$

EXAMPLES

5.) $3 \times 2 + 4^2$

$$\begin{aligned} 3 \times 2 + 16 \\ 6 + 16 \\ 22 \end{aligned}$$

6.) $25 \div 5 - 5$

$$\begin{aligned} 5 - 5 \\ 0 \end{aligned}$$

7.) $6 + 2 \times 4^2 - 15$

$$\begin{aligned} 6 + 2 \times 16 - 15 \\ 6 + 32 - 15 \\ 38 - 15 = 23 \end{aligned}$$

The page features a decorative background with a light gray gradient and several realistic water droplets of various sizes scattered across the corners and bottom edge. The word "CLASSWORK" is centered in a blue, sans-serif font.

CLASSWORK

- PG 31WKST # 1-12

EXAMPLES

8. $(3 + 2) \times 5$

$$5 \cdot 5$$

$$25$$

9. $3(5 - 7) + 8$

$$3(-2) + 8$$

$$-6 + 8$$

$$2$$

10. $-(3 - 6)$

$$-(-3)$$

$$3$$

11. $(6 - 2) + 8 \times 4^2$

$$4 + 8 \cdot 4^2$$

$$4 + 8 \cdot 16$$

$$4 + 128 = 132$$

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CLASSWORK

- PG33 WKST # 1- 12

The page features a decorative background with a light gray gradient and several realistic water droplets of various sizes scattered across the corners and bottom edge. The word "HOMEWORK" is centered in a bold, black, sans-serif font.

HOMEWORK

- PG 19 # 23-34