Period _____

valuate:

1. $12-8 \div 2+3 \cdot 4$ 2. $3 \cdot (5+17-14) \div 4+1$	
$\begin{bmatrix} 2 & 3 & 3 & 3 & 17 & 14 \end{pmatrix}$	1.5

Fill in the Table:

	Exponent Form	Expanded Form	Standard Form
3.	4^3		
4.		2 • 2 • 2 • 2	
5.	3 ²		
6.		8 • 8 • 8 • 8 • 8 • 8 • 8	16,777,216
7.	$3^2 + 5^2$		
ر ج	,	9 • 9 + 2 • 2 • 2	89
9.	$2^3 \cdot 3^2$		

Evaluate:

10. $3^3 + 21 \div 7$	7
10 イーノー	/

11.
$$4 \cdot 3^2 - 4^3 \div 8$$

12. Which of the following statements are true about the following expressions?

$$6^2 - (6 \times 2)$$

$$(4^2-2)\times 2$$

- I. The two expressions are equivalent
- II. The first expression is eight times as large as the second expression.
- III. Both expressions are numerical expressions.

13. A teacher asks his students to give meaning to $(2t)^3$. One of the students incorrectly says $(2t)^3$ means $2 \cdot t \cdot t \cdot t$.

Express the repeated multiplication for $\left(2t\right)^3$ using multiplication signs.

What is the student's error?

valuate:

1.
$$12-8 \div 2+3 \cdot 4$$

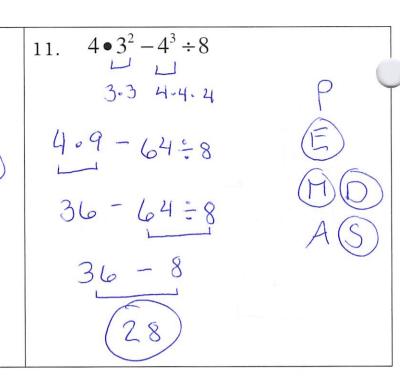
 $12-4+3 \cdot 4$
 $12-4+12$
 $8+12$
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2. $3 \cdot (5+17-14) \div 4+15$
 $3 \cdot (22-14) \div 4+15$
 $3 \cdot 8 \div 4+15$
 $24 \div 4+15$
 $24 \div 4+15$
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Fill in the Table:

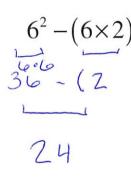
	Exponent Form	Expanded Form	Standard Form
3.	4^3	4.4.4	64
4.	24	2 • 2 • 2 • 2	16
5.	3^2	3.3	9
6.	88	8 • 8 • 8 • 8 • 8 • 8 • 8	16,777,216
7.	$3^2 + 5^2$	3.3+5.5	34
8.	92+23	$9 \cdot 9 + 2 \cdot 2 \cdot 2$	89
9.	$2^3 \cdot 3^2$	2.2.2.3.3	72

Evaluate:

10.
$$3^{3} + 21 \div 7$$
 $3 \cdot 3 \cdot 3$
 $27 + 21 \div 7$
 $27 + 3$
 30



12. Which of the following statements are true about the following expressions?



$$(4^2-2)\times 2$$



The first expression is eight times as large as the second expression.

The two expressions are

equivalent

14 . 2

(III.)

Both expressions are numerical expressions.

13. A teacher asks his students to give meaning to $(2t)^3$. One of the students incorrectly says $(2t)^3$ means $2 \cdot t \cdot t \cdot t$.

Express the repeated multiplication for $(2t)^3$ using multiplication signs.

2t . 2t . 2t

What is the student's error?

The student didnt apply the exponent to the 2 as well as the t