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1) What is the name of a number that multiplies a variable, such as the " 9 " in the term " $9 x$ "?
2) Evaluate: $\left(6^{2}-8 \div 4\right)+27$
3) Write in exponential form: 7•7•7•7•7=
4) Evaluate $3 n^{2}+4 n-n$ if $n=7$
5) Write an expression that represents " 12 more than a number?"
6) Simplify this expression by combining like terms: $7 n+15 n^{2}+13 n-14 n^{2}-n+17 n$
7) The cost of seeing a movie is $\$ 8.25$ for admission, plus an additional $\$ 2.25$ for each snack purchased. Write an expression to represent the cost of seeing a movie and purchasing s snacks.
8) Which expression is NOT equivalent to the others?
A) $7(6+9)$
B) $42+63$
C) $7 \cdot 15$
D) $7(6) \cdot 7(9)$
9) Apply the distributive property to simplify the expression: $12(17 x+19)$
10) If the formula for the area of a triangle is $\frac{1}{2} b h$, find the area of a triangle with a base of 15 and a height of 16 .
11) Evaluate "4 cubed."
12) The expression $\mathbf{1 2 0} \boldsymbol{+ 0 . 3 0 m}$ can be used to find the total price for renting a car, where $\boldsymbol{m}$ represents the number of miles driven. Determine the cost if $m=\mathbf{1 3 0}$ miles in the rental car.
13) Factor to write an expression that is equivalent to $\mathbf{3 0 x + 5}$.
14) Translate into an algebraic expression: nine more than the quotient of seven cubed and six.
15) Melissa and 4 of her friends rent a movie for $\$ 5$ and buy $n$ medium drinks for $\$ 3$ each. If they split these costs evenly, write an expression that can be used to find the amount each girl should pay?
16) Write and example of the commutative property?
17) Label the parts of the expression:
18) A family of four ( 2 adults and 2 kids) is going to the pumpkin patch. Regular admission is $\$ 12$ for adults and $\$ 4$ for kids. How much will they pay to get in?
19) Simplify the expression $7(n+3)+12 n-10$
20) What are like terms?
