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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 $n^{2}+4 n+4$ if $n=7$
5) Write an expression that represents " 12 more than a number?"
6) Simplify this expression by combining like terms: $7 n+15 n^{2}+13 n-14 n^{2}$
7) The cost of attending a state fair is $\$ 3.25$ for admission, plus an additional $\$ 0.25$ for each ride ticket purchased. Write an expression to represent the cost of attending the fair and purchasing $\dagger$ tickets.
8) Which expression is NOT equivalent to the others? (Hint: Look closely at the operations.)
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: $12(5 x+3)$
10) Evaluate to find the volume of a cube with side length $s=\frac{1}{3} ; V=s^{3}$
11) Evaluate " 4 squared."
12) The expression $\mathbf{1 2 0} \boldsymbol{+ 1 5 n}$ can be used to find the total price for $\boldsymbol{n}$ students to take a field trip to the science museum. Determine the cost if $\mathrm{n}=\mathbf{3}$ students to visit the science museum.
13) Factor to write an expression that is equivalent to $\mathbf{3 0 x + 5}$.
14) Translate into an algebraic expression: nine less than the difference of seven squared and six.
15) Neveah and 4 of her friends order a large pizza for $\$ 8$ and $n$ medium drinks for $\$ 3$ each. If they split these costs evenly, which expression can be used to find the amount each girl should pay?
16) Write an 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 $7(n+3)+12 n$
20) What are like terms?
