13. You are moving a square lawn that has side lengths of 4x yards. Write an expression in simplest form that represents the area of the lawn that you are moving.

length = 
$$4x y d$$
  
flee =  $5^2$   
flee a:  $(4x)$   
=  $(4x)(4x)$   
=  $(4)^2(x^2)$   
flee a:  $16x^2$ 

14. Each of the side lengths of a regular pentagon is (x + 4) centimeters. Write an equation in simplest form that represents the perimeter of the pentagon. When you triple x, does the perimeter of the pentagon triple? Explain.

Pentagon: 5 sides 
$$\Rightarrow \frac{1}{14} \times 44$$

Perimeter:  $(x+4) + (x+4) + (x+4) + (x+4)$ 

=  $\frac{x+4+x+4}{4} + \frac{1}{4} + \frac{1}{$ 

15. Are the expressions  $6b^2 - 3c + 4b^2 + 4c$  and  $10b^2 + 5c - 4c$  equivalent? Explain your reasoning.

1062 + C

1062+0

Yes, Equivalent Same sum of Same two terms

16. The expression  $\frac{5}{9}(F-32)$  converts temperature from degrees Fahrenheit to degrees Celsius. What is the temperature in degrees Celsius when the temperature is 105°F?

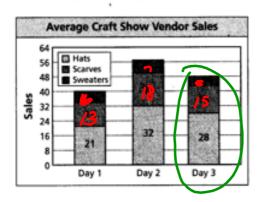
$$\frac{5}{9}(F-32) F=105$$

$$\frac{5}{9}(105-32) \times 32$$

$$\frac{5}{9}(73) \times 365$$

$$\frac{365}{9} \times 40.5$$

17. What does the expression 28v + 15v + 5v represent in the data display? Find and interpret the value when v = 8.



Day 3