

Ex 5 Graphing Continuous Data

$$c = 130b$$

A cereal bar contains 130 calories. The number c of calories consumed is a function of the number b of bars eaten.

$b = \# \text{ bars}$
 $c = \# \text{ calories}$

a) Find the domain.

$$b = \# \text{ of bars} \quad D: x \geq 0$$

b) Why is this ~~discrete~~ data? Is this a linear function?
 (continuous)

b/c domain can be any #

c) Graph the function using the domain

b	$130b$	c
0	$130(0)$	0
0.5	$130(0.5)$	65
1	$130(1)$	130
2.5	$130(2.5)$	325
3.1	$130(3.1)$	403

