

Name _____

Equivalent Ratios and Graphs



COMMON CORE STANDARD—6.RP.A.3a

Understand ratio concepts and use ratio reasoning to solve problems.

Christie makes bracelets. She uses 8 charms for each bracelet. Use this information for 1–3.

1. Complete the table of equivalent ratios for the first 5 bracelets.

Charms	8	16	24	32	40
Bracelets	1	2	3	4	5

2. Write ordered pairs, letting the x -coordinate represent the number of bracelets and the y -coordinate represent the number of charms.

(1, 8), (2, 16), (____, ____),
(____, ____), (____, ____)

The graph shows the number of granola bars that are in various numbers of boxes of Crunch N Go. Use the graph for 4–5.

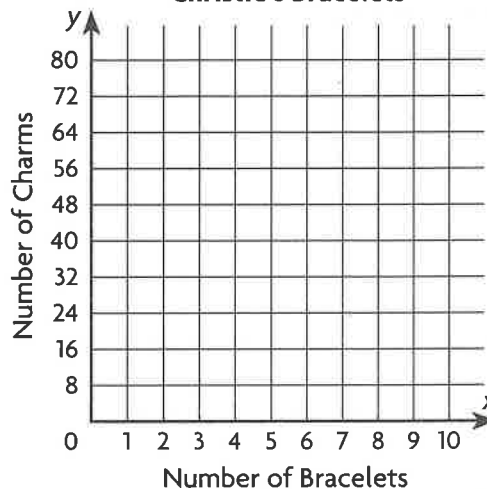
4. Complete the table of equivalent ratios.

Bars				
Boxes	1	2	3	4

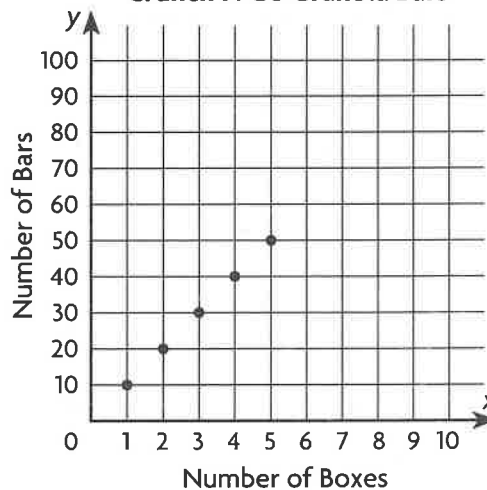
5. Find the unit rate of granola bars per box.
- _____

3. Use the ordered pairs to graph the charms and bracelets.

Christie's Bracelets



Crunch N Go Granola Bars



Problem Solving



6. Look at the graph for Christie's Bracelets. How many charms are needed for 7 bracelets?
- _____

7. Look at the graph for Crunch N Go Granola Bars. Stefan needs to buy 90 granola bars. How many boxes must he buy?
- _____

8. **WRITE** *Math* Choose a real-life example of a unit rate.

Draw a graph of the unit rate. Then explain how another person could use the graph to find the unit rate.
