Part-Part-Whole Ratios

Ratios & Rates

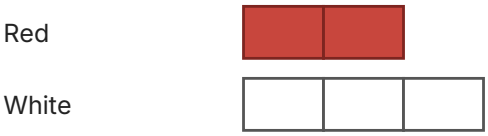
Name: _____ Date: _____ Grade 6

Problems 1–2: At a shoe store, the ratio of pairs of sneakers to pairs of sandals is 5 : 4. There are 63 pairs of sneakers and sandals in all.

1. **How many pairs of sneakers are there?** _____

2. **How many pairs of sandals are there?** _____

Problems 3–4: The tape diagram shows the ratio of red paint to white paint in a pink paint.



3. **What is the ratio of red paint to white paint?** _____

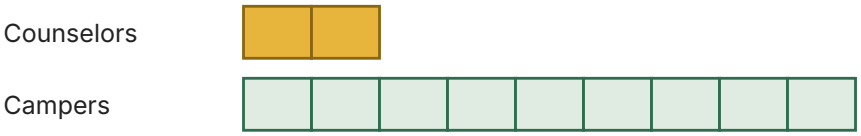
4. **Complete the table to show the amount of red and white paint in each amount of pink paint.**

Pink (gal)	Red (gal)	White (gal)
10		
25		
40		
1		

Part-Part-Whole Ratios

continued

Problems 5–6: The tape diagram shows the ratio of counselors to campers on a field trip.



5. What is the ratio of counselors to campers? _____

6. Complete the table to show the number of counselors and campers for each total number of people.

Total People	Counselors	Campers
22		
55		
110		

7. Lucy has a jar of 120 buttons. The ratio of large buttons to small buttons is 1 : 5. How many large buttons does she have? Show or explain your thinking.

8. An animal shelter has 72 animals. The ratio of cats to other animals is 5 : 1. How many cats are at the shelter? Show or explain your thinking.