

Activity Set 2.1 #4

Understanding	Accuracy	Communication	Presentation	Total
2	a) – f) 12	2	2	18

4. *Math Concepts:* Set up the model for the following questions by labeling the three-circle Venn diagram on Material Card 6 with the following attribute labels: Circle 1, small pieces; Circle 2, triangular pieces; Circle 3, red pieces. Distribute all of your attribute pieces onto the correct regions of your diagram on Material Card 6.

Let S represent Small, T represent Triangular, R represent Red, and N represent Not. For each of the following, describe the region in a complete sentence and shade the corresponding Venn diagram on Material Card 7 to show the indicated region.

- | | |
|-------------------------|--------------------------|
| a. $(S \cup T) \cup NR$ | b. $(S \cap T) \cup NR$ |
| c. $(S \cup T) \cap NR$ | d. $(S \cap NT) \cup NR$ |
| e. $(NS \cup T) \cap R$ | f. $(NS \cup NT) \cap R$ |

Activity Set 2.1 #6

Understanding	Accuracy	Communication	Presentation	Total
2	2	2	2	8

6. *Math Concepts:* Use your set of attribute pieces to describe sets A , B , and C with the following properties.
- Set A and set B have at least one common element.
 - Set C is completely contained in set B but is not the same as set B .
 - Set A and set C have no common elements.

Sketch a clearly labeled Venn diagram, and list the pieces in each of the appropriate regions of the diagram.