



Student Name: _____ Date: _____

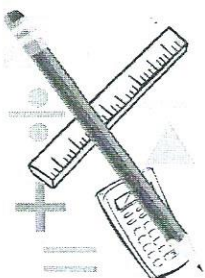
Hearts and Stars

Cut apart the **Hearts and Stars Cards**. Match the cards that represent the same ratio. Record the information from the cards in the table below.

Card _____, Card _____, and Card _____	Card _____, Card _____, and Card _____	Card _____, Card _____, and Card _____

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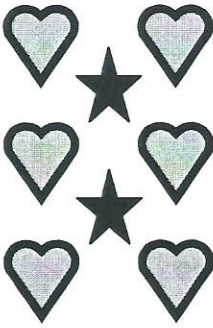
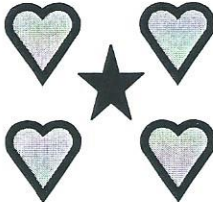


How did you determine which cards belonged in each set?





Hearts and Stars Cards

Cut along the dotted lines.

<p>Card A</p> 	<p>Card B</p> <p>Two stars for every eight hearts</p>	<p>Card C</p> 
<p>Card D</p> <p>One star for every three hearts</p>	<p>Card E</p> 	<p>Card F</p> 
<p>Card G</p> 	<p>Card H</p> 	<p>Card I</p> <p>Two stars for every three hearts</p>



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Table Directions

Complete a table for each set of the **Hearts and Stars Cards**.

Table 1

Card A, Card D, Card E

Number of Stars	Number of Hearts
	1
1	
2	
3	
4	
5	
6	

Table 2

Card B, Card F, Card G

Number of Stars	Number of Hearts
	1
1	
2	
3	
4	
5	
6	

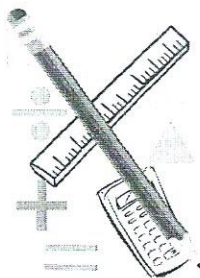
Table 3

Card C, Card H, Card I

Number of Stars	Number of Hearts
	1
1	
2	
3	
4	
5	
6	

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If there are s stars in Table 3, write an expression for the number of hearts. Justify your answer.





Unit Rates, Activity 3

Activity Objective

The student will generate a graph using a given table of data.

Materials

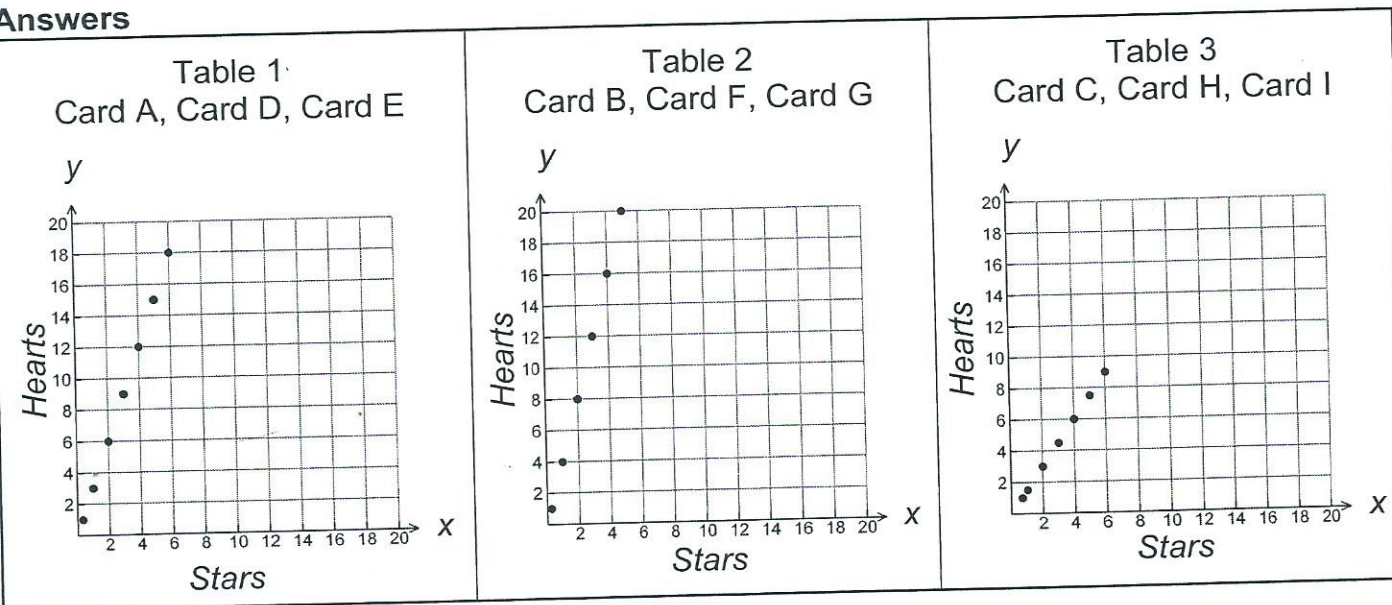
- Graphs
- Tables from Unit Rates, Activity 2

Facilitation Questions

- How could you use the information found in this table to create a graph?
Answers may vary. Possible answer: I could label the x-axis as stars and the y-axis as hearts and then plot each pair of values in the table as an ordered pair.



Answers





Student Name: _____ Date: _____

Graphs

Complete a graph for each set of data. Label your graph.

Table 1
Card A, Card D, Card E

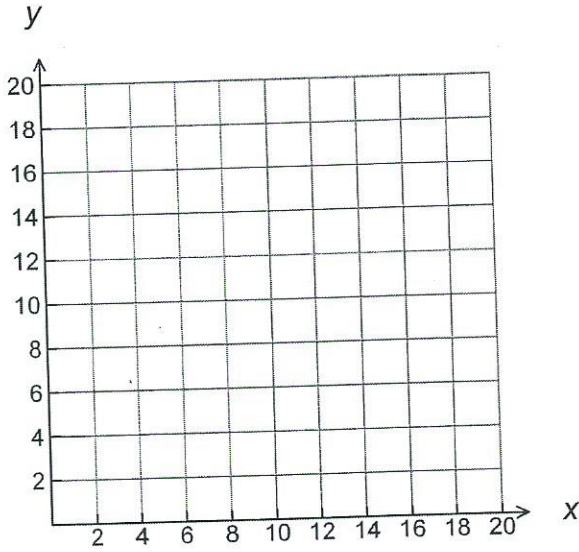


Table 2
Card B, Card F, Card G

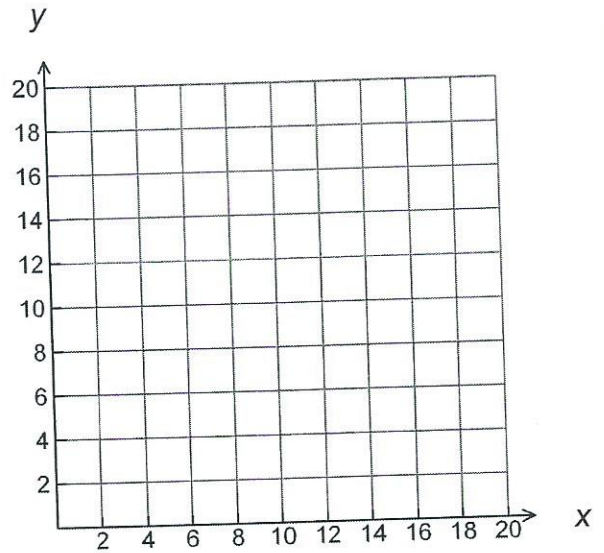
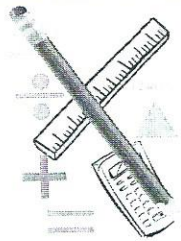
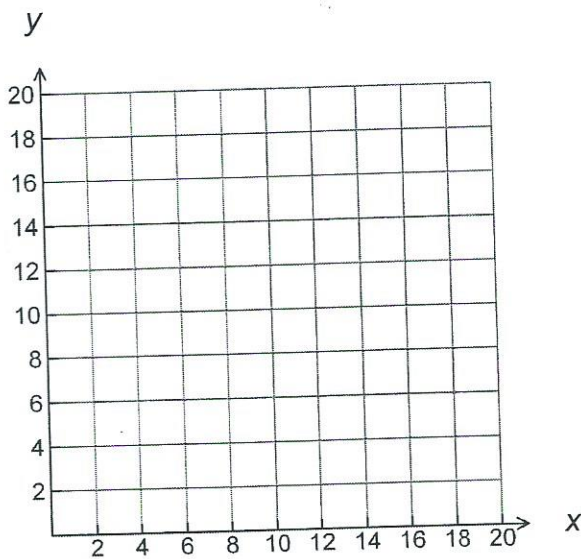


Table 3
Card C, Card H, Card I



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How are the graphs similar?
How are they different?
