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Estimation of Large Numbers



Date: _____

Mark: _____



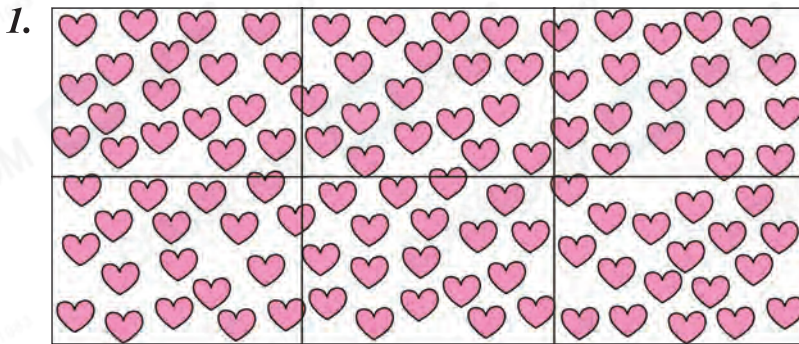
Answer the following questions.



Reminder

To approximate a large number of objects in a figure:

1. Divide the figure into equal-sized portions.
2. Count the quantity within one portion as a sample.
3. Multiply the quantity counted by the number of portions, then you can get an approximation of the total quantity.



(a) There are about _____ pieces of heart-shaped patterns in each portion.

(b) The total number of heart-shaped patterns in the above figure is about:

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



(a) There are about _____ stars in each portion.

(b) The total number of stars in the above figure is about:

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Fill in the blanks with suitable numbers.

3. 9 550 846 \approx _____ million

4. 785 143 \approx _____ hundred thousand

5. 2 554 650 \approx _____ million

6. 58 762 531 \approx _____ million

7. 172 781 561 \approx _____ hundred million

8. 919 813 488 \approx _____ million

