

Recording the Steps in Division

1 Complete the table of multiples of 27.

×	1	2	4	5	8	10	20	40	50	80
27										

2 Complete the area model and division record.

Area Model: A large rectangle is divided into four columns. The first two columns are labeled 'tens' and the last two are labeled 'ones'. Each column contains a white oval. Below the rectangle, it says 'TOTAL = 972'. To the left of the rectangle is the number '27'. Below the area model is a small empty box.

Division Record:

$$\begin{array}{r}
 27 \overline{) 972} \\
 \underline{-540} \\
 432 \\
 \underline{-270} \\
 162 \\
 \underline{-135} \\
 27 \\
 \underline{-27} \\
 0
 \end{array}$$

Labels next to the division record: Total Tiles, Tiles Left, Tiles Left, Tiles Left, Tiles Left.

Summary: $27 \overline{) 972}$

3 Solve these problems on a separate sheet of paper.

$27 \overline{) 621}$

$27 \overline{) 918}$

$27 \overline{) 2,187}$

$27 \overline{) 1,809}$



Test Prep

4 Hamburgers come in packages of 6, and hamburger buns come in packages of 8. If Shane buys 5 packages of hamburgers and enough buns, what is the least number of buns he will have left? Explain how you know.
