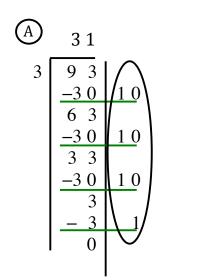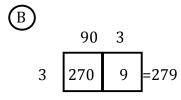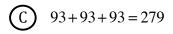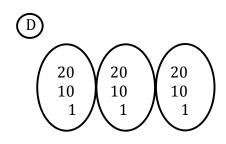Three countries in the Olympics won a total of 93 medals. If each country won an equal number of medals, how many medals did each win?

For a – d, select which responses below could be possible solutions.

Ⓐ

$$3\,1$$

$$
\begin{array}{r}
3\,|\,9\ 3 \\
-3\ 0 \quad |\,1\ 0 \\
\hline
6\ 3 \\
-3\ 0 \quad 1\ 0 \\
\hline
3\ 3 \\
-3\ 0 \quad 1\ 0 \\
\hline
3 \\
-\ 3 \quad 1 \\
\hline
0
\end{array}
$$

Ⓑ

	90	3
3	270	9	=279

Ⓒ $93+93+93=279$

Ⓓ

20	20	20
10	10	10
1	1	1

Scoring
2 points: Student selected all correct responses (A, D).
1 point: Student selected one of the two correct responses (A or D).
0 points: Student selected no correct responses.

Key and Distractor Analysis:
    A. Key. Correctly shows division can be solved with subtraction.
    B. Student does not recognize the question as division, instead choosing the area model as an example of multiplication.
    C.   Student does not recognize the question as division, instead choosing repeated addition as an example of multiplication.
    D. Key. Correctly shows division using grouping.

Numbers and Operations in Base 10   **4NBT**

Use place value understanding and properties of operations to perform multi-digit arithmetic

6. Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.