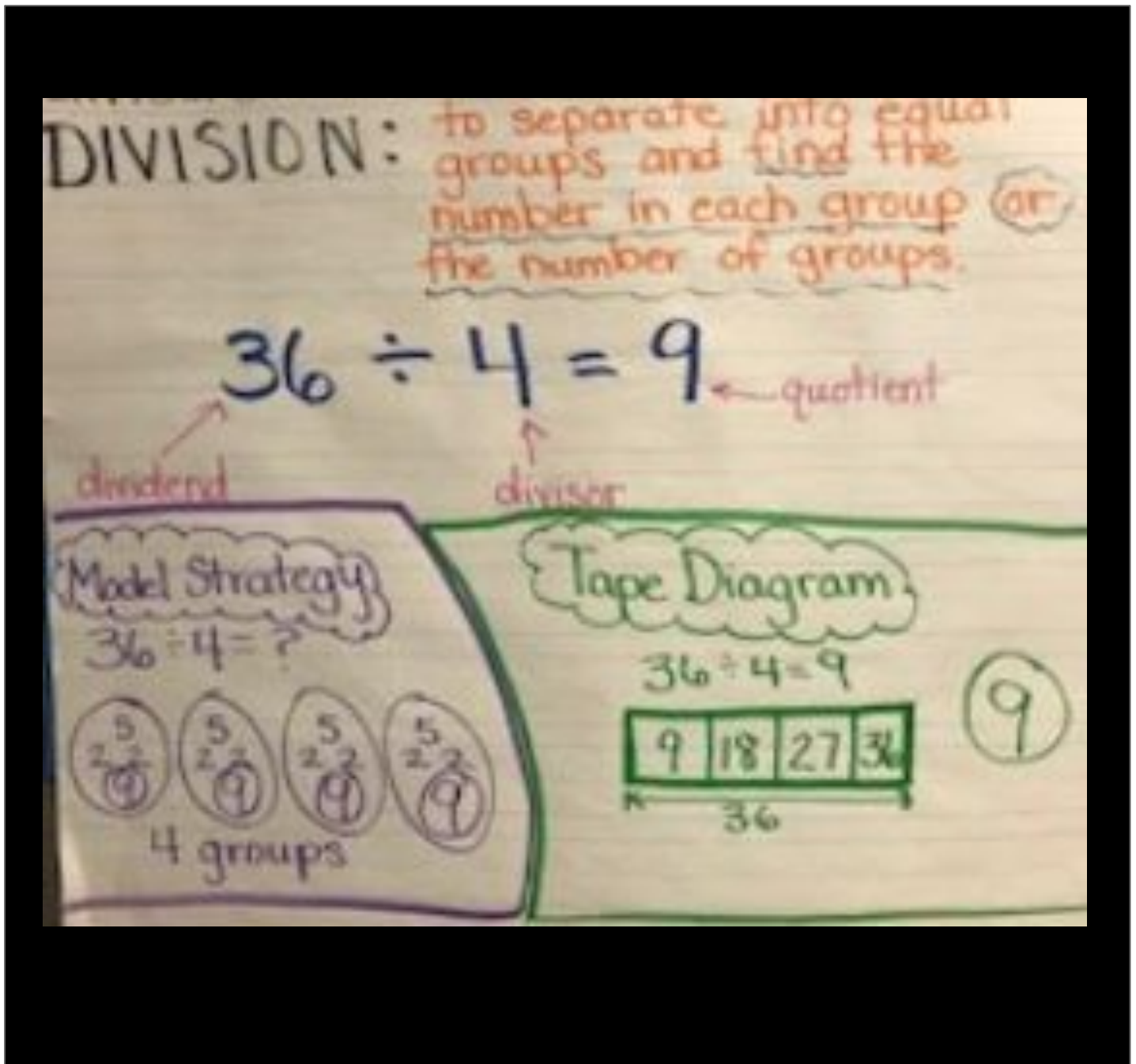


NUMBER AND OPERATIONS - BASE TEN

NC.4.NBT.6	Find whole-number quotients and remainders with up to three-digit dividends and one-digit divisors with place value understanding using rectangular arrays, area models, repeated subtraction, partial quotients, properties of operations, and/or the relationship between multiplication and division.
DESCRIPTION	Notice how this anchor chart describes the concept of division while identifying key vocabulary (dividend, divisor, quotient).



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<p>NC.4.NBT.6</p>	<p>Find whole-number quotients and remainders with up to three-digit dividends and one-digit divisors with place value understanding using rectangular arrays, area models, repeated subtraction, partial quotients, properties of operations, and/or the relationship between multiplication and division.</p>
<p>DESCRIPTION</p>	<p>This anchor chart shows multiple strategies for division while identifying key vocabulary (dividend, divisor, quotient).</p>

NBT.6 - Division

division terms

quotient
the answer to a division problem

$63 \div 9 = 7$

$\frac{7}{9 \overline{)63}} \quad \frac{63}{9 \overline{)63}}$

dividend
the number to be divided

$63 \div 9 = 7$

$\frac{7}{9 \overline{)63}} \quad \frac{63}{9 \overline{)63}}$

divisor
the number of groups to divide into

$63 \div 9 = 7$

$\frac{7}{9 \overline{)63}} \quad \frac{63}{9 \overline{)63}}$

Inverse Operation:

$18 \div 3 = ?$

Use a multiplication fact to solve. Ask yourself... $3 \times ? = 18$.

If $3 \times 6 = 18$, then $18 \div 3 = 6$

Skip Count:

Skip count by your **divisor** until you get to the **dividend**.

$18 \div 3 = ?$

3, 6, 9, 12, 15, 18

So, $18 \div 3 = 6$

Distributive Property:

$2,367 \div 3 = ?$

$(2,100 \div 3) + (240 \div 3) + (27 \div 3)$

↓ ↓ ↓

$700 + 80 + 9$

789

Partial Quotient:

$3 \overline{)2,368}$

$3 \times 700 = 2,100$

$3 \times 80 = 240$

$3 \times 9 = 27$

700 + 80 + 9 = $789 \text{ r } 1$

✓ using multiplication:

$\begin{array}{r} 789 \\ \times 3 \\ \hline 2367 \\ + 1 \text{ remainder} \\ \hline 2368 \end{array}$

↙ Add the groups you made & include remainders

Area Model:

$2,368 \div 3 =$

$700 + 80 + 9$

$3 \overline{)2,368} \left| \begin{array}{l} 268 \\ -240 \\ \hline 28 \end{array} \right| \left| \begin{array}{l} 28 \\ -27 \\ \hline 1 \end{array} \right|$

$789 \text{ r } 2$

NUMBER AND OPERATIONS - BASE TEN

NC.4.NBT.6	Find whole-number quotients and remainders with up to three-digit dividends and one-digit divisors with place value understanding using rectangular arrays, area models, repeated subtraction, partial quotients, properties of operations, and/or the relationship between multiplication and division.
DESCRIPTION	An anchor chart can simply demonstrate steps in a process. It doesn't need to be elaborate to get a point across. This chart is a great resource for students to refer to during independent practice.

