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SESSION : 6
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 6
CHAPTER NAME : DIVISION
SUBTOPIC : DIVISION OF 4-DIGIT NUMBERS

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LEARNING OBJECTIVE :

Children will :

***Determine that division is dividing objects into equal groups.**

***Explain the steps of Division.**

***Solve problems using Division.**

***Be able to use equal groups, drawings, and measurement quantities to solve division primoblems.**

***Will construct solutions to solve simple division problems, and will be able to explain and defend how they generated answers for division problems.**

DIVISION

DIVISION OF 4-DIGIT NUMBERS

EXPLANATION

Do you know what a DIVISION mean ???

DIVISION is a quick and powerful way of subtracting the same number over and over again. Or we can say DIVISION means repeated SUBTRACTION.

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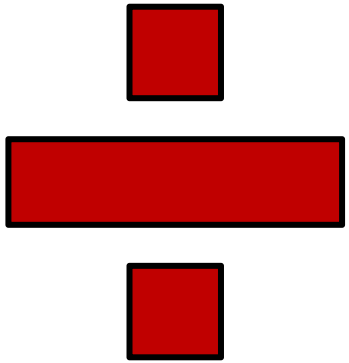
DIVISION

DIVISION OF 4-DIGIT NUMBERS

Do you know what is the symbol or sign of DIVISION



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DIVISION OF 4-DIGIT NUMBERS

DIVISION :

$$7515 \div 3 = 2505$$

7515 → DIVIDEND

3 → DIVISOR

2505 → QUOTIENT

* The number that divides another number is called the **DIVISOR.**

* Here the number to be divided is called the **DIVIDEND.**

* The answer we get on dividing the numbers is called the **QUOTIENT.**

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Division involves 5 steps:

STEP 1 : D - DIVIDE ÷

STEP 2 : M - MULTIPLY X

STEP 3 : S - SUBTRACT −

STEP 4 : B - BRING DOWN ↓

STEP 5 : R - REPEAT or REMAINDER

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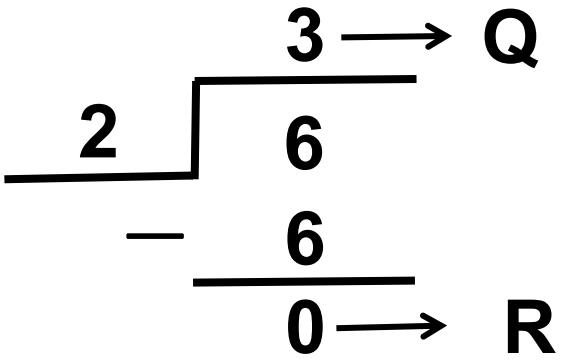
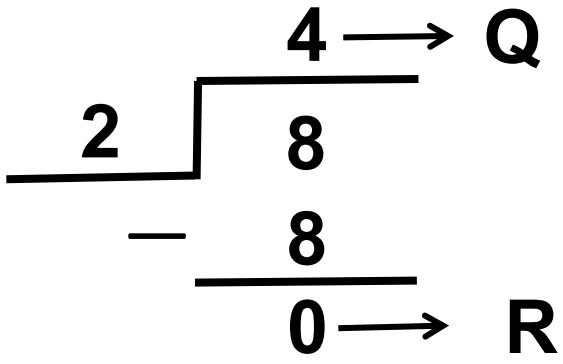
Let us understand through examples: 1-digit by 1-digit

6 ÷ 2 = 3



8 ÷ 2 = 4



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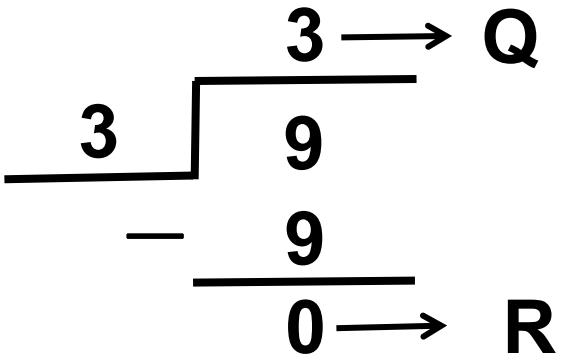
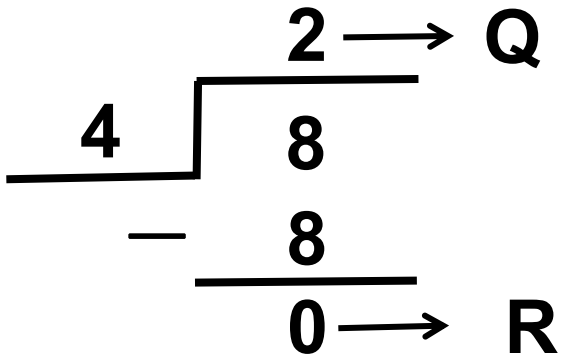
Let us understand through some more examples:

9 ÷ 3 = 3



8 ÷ 4 = 2



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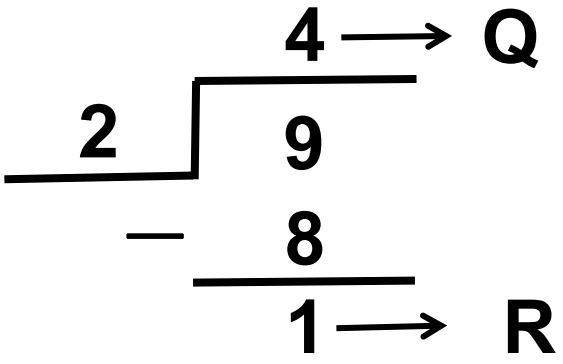
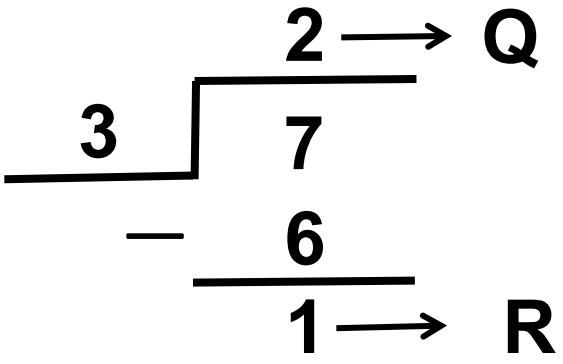
Here are some more examples lets see:

9 ÷ 2 Q = 4, R = 1



7 ÷ 3 Q = 2, R = 1



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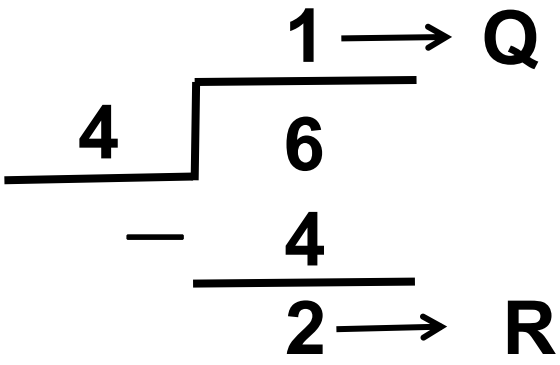
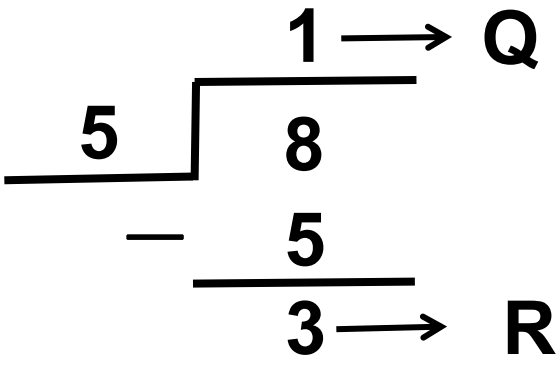
$6 \div 4 \quad Q = 1, R = 2$



$8 \div 5 \quad Q = 1, R = 3$



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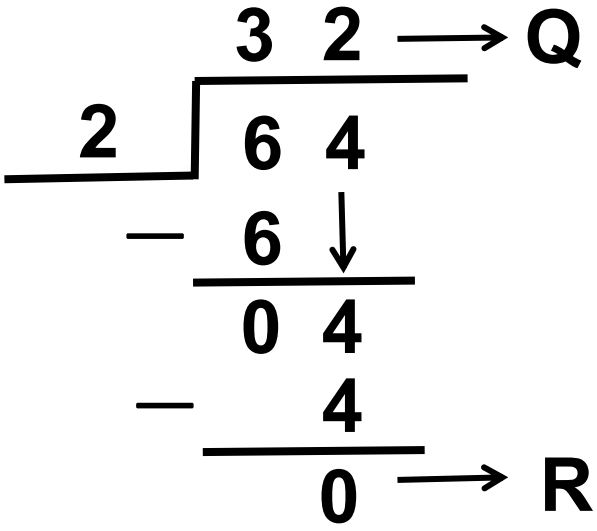
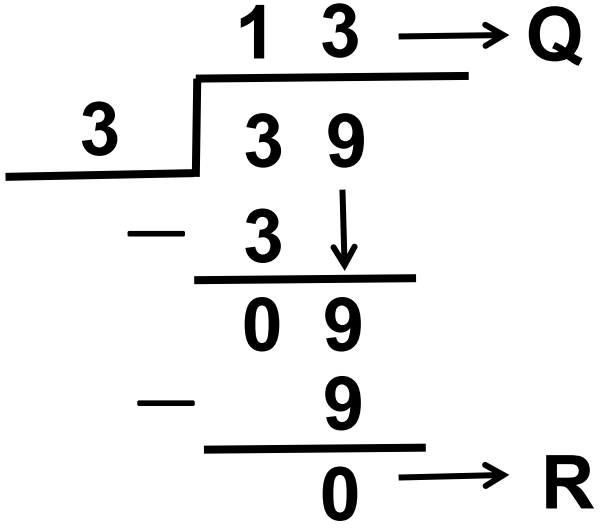
Let us understand through examples: 2-digit by 1-digit

64 ÷ 2 Q = 32, R = 0



39 ÷ 3 Q = 13, R = 0



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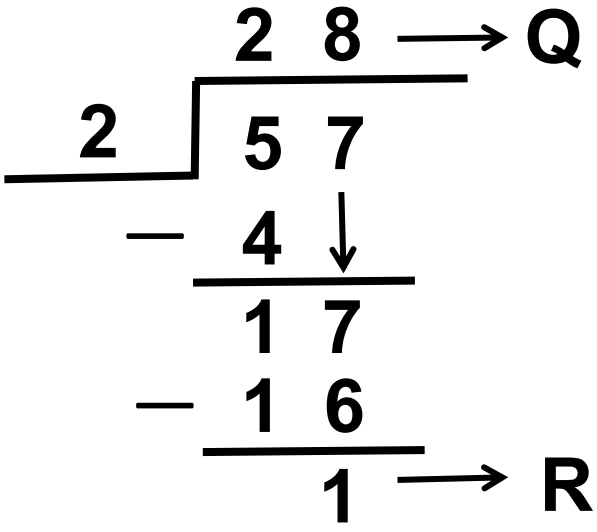
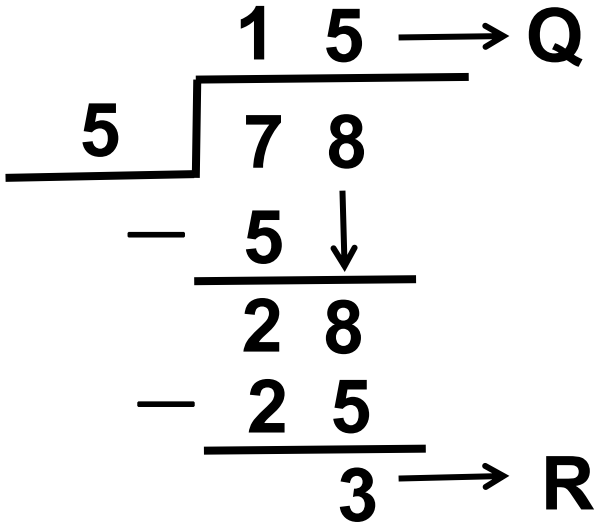
57 ÷ 2 Q = 28, R = 1



78 ÷ 5 Q = 15, R = 3



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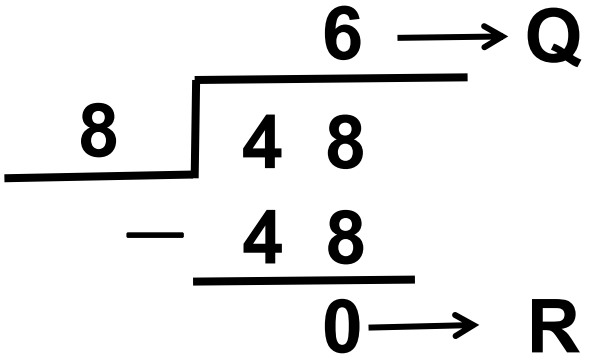
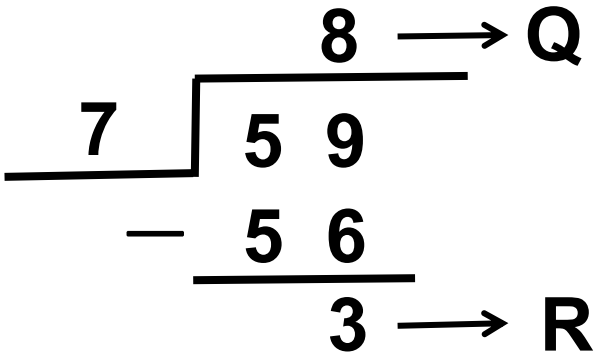
Let us see some more examples: 2-digit by 1-digit

48 ÷ 8 Q = 6, R = 0



59 ÷ 7 Q = 8, R = 3



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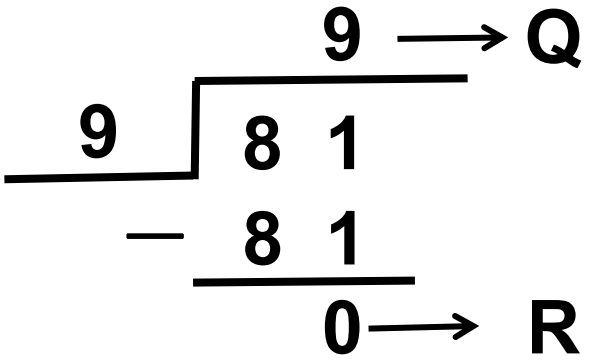
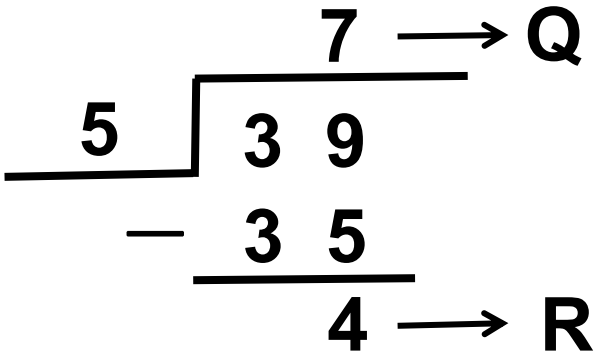
81 ÷ 9 Q = 9, R = 0



39 ÷ 5 Q = 7, R = 4



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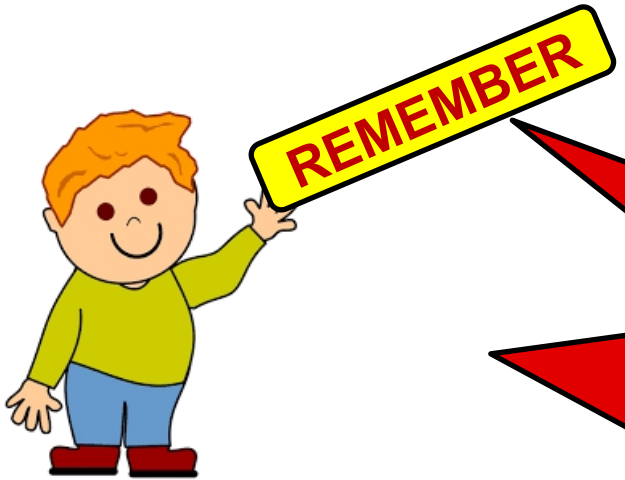

Everytime you subtract, the difference you get should be smaller than the DIVISOR

MATHS

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DIVISION

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Extra questions
in notebook.

MATHS

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DIVISION

DIVISION OF 4-DIGIT NUMBERS

Now let us solve:

1) 6 ÷ 3

2) 7 ÷ 4

3) 48 ÷ 4

4) 65 ÷ 9

DIVISION

DIVISION OF 4-DIGIT NUMBERS

Now let us solve:

$6 \div 3 = 2$

$$
\begin{array}{r}
2 \longrightarrow Q \\
3 \overline{)\,6} \\
-\;6 \\
\hline
0 \longrightarrow R
\end{array}
$$

$7 \div 4 = Q = 1, R = 3$

$$
\begin{array}{r}
1 \longrightarrow Q \\
4 \overline{)\,7} \\
-\;4 \\
\hline
3 \longrightarrow R
\end{array}
$$

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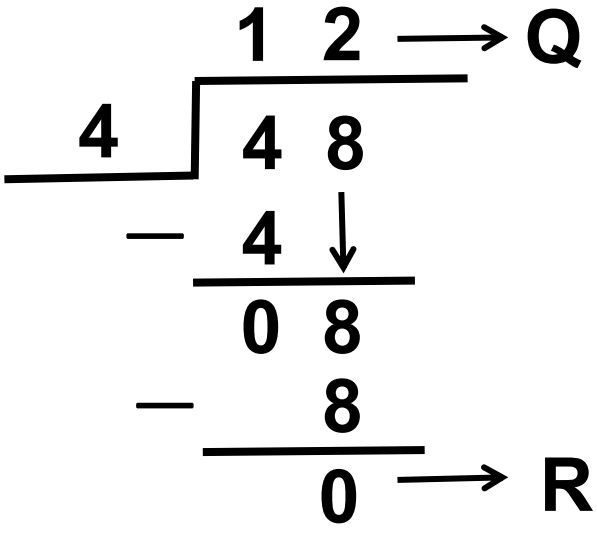
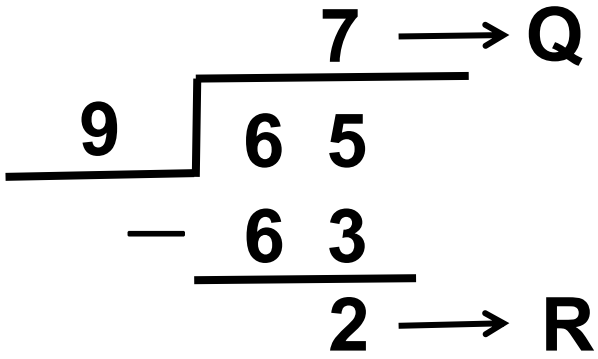
48 ÷ 4 Q = 12, R = 0



65 ÷ 9 Q = 7, R = 2



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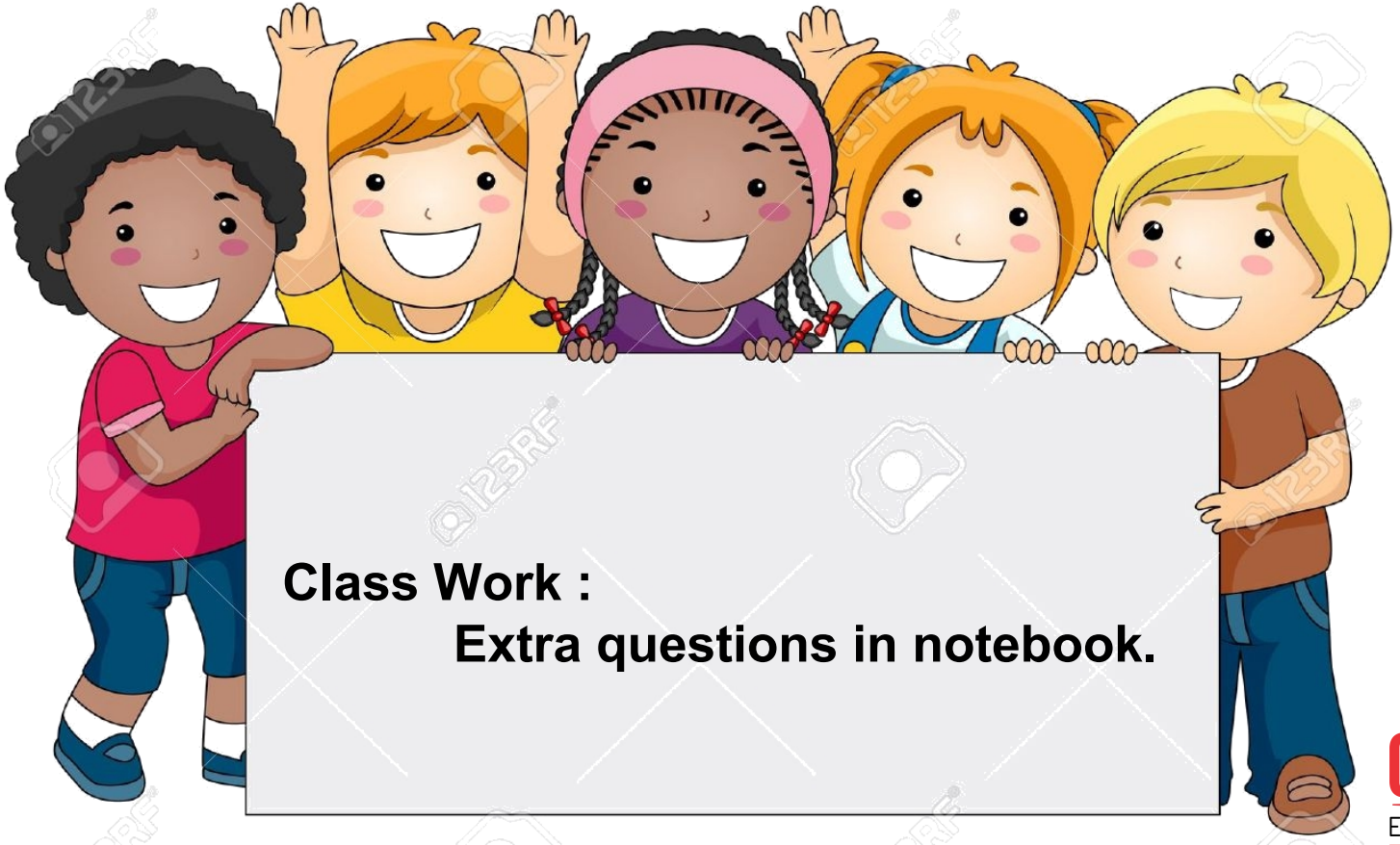

Class Work :

Extra questions in notebook.

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LEARNING OUTCOME:

Children are confident to determine that division is dividing objects into equal groups. Explain the steps of Division.Solve problems using Division. Be able to use equal groups, drawings, and measurement quantities to solve division primoblems and will construct solutions to solve simple division problems, and will be able to explain and defend how they generated answers for division problems.

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