ODM EDUCATIONAL GROUP
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SESSION : 5
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 6
CHAPTER NAME : DIVISION
SUBTOPIC : DIVISION BY A 2-DIGIT NUMBER

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DIVISION

DIVISION BY A 2-DIGIT NUMBER

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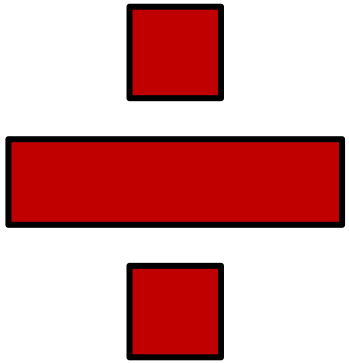
Do you know what is the symbol or sign of DIVISION



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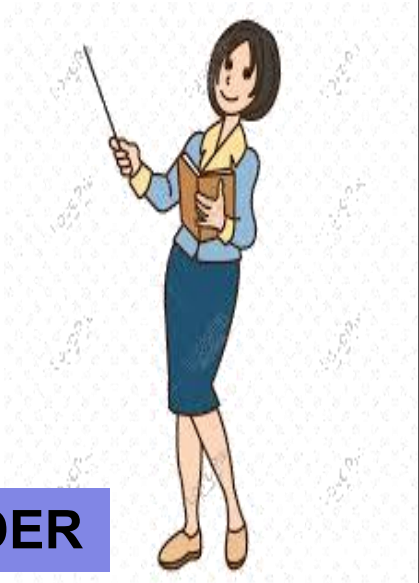
STEP 1 : D - DIVIDE ÷

STEP 2 : M - MULTIPLY X

STEP 3 : S - SUBTRACT —

STEP 4 : B - BRING DOWN

STEP 5 : R - REPEAT or REMAINDER



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DIVISION :

$$7515 \div 3 = 2505$$

7515 → DIVIDEND
3 → DIVISOR
2505 → QUOTIENT

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

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

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

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Check

Dividend = (Divisor x Quotient) + Remainder

= (D x Q) + R

= DIVIDEND

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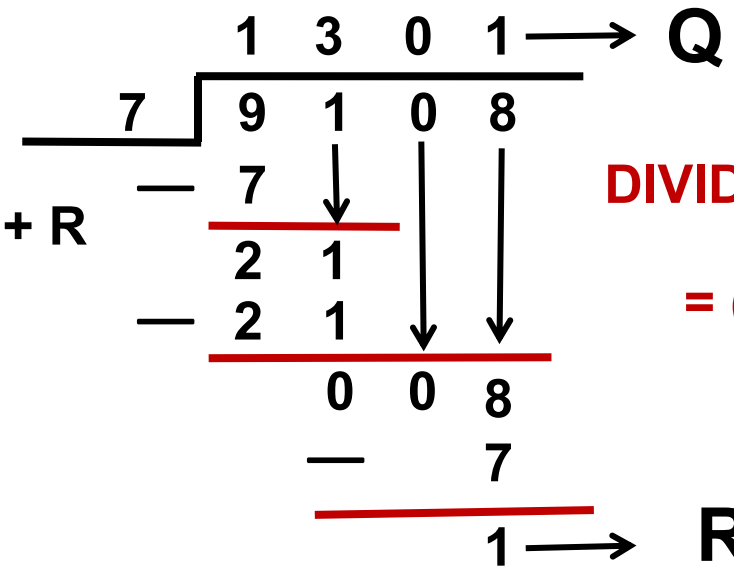
9108 ÷ 7



Check

DIVIDEND = (D x Q) + R

= (7 x 1301) + 1

= 9107 + 1

= 9108

Check

DIVIDEND = (D x Q) + R

= (7 x 131) + 1

= 917 + 1

= 918

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EXAMPLE :

DIVIDE	MULTIPLY	SUBTRACT	BRING DOWN
5 12) 6 4 8	5 12) 6 4 8 6 0	5 12) 6 4 8 - 6 0 4	5 12) 6 4 8 - 6 0 ↓ 4 8
64 ÷ 12	12 x 5	64 - 60	8 ↓

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DIVIDE	MULTIPLY	SUBTRACT	BRING DOWN

```
    5 4
12 ) 6 4 8
   - 6 0
     4 8
```

48 ÷ 12

```
    5 4
12 ) 6 4 8
   - 6 0
     4 8
     4 8
```

12 x 4

```
    5 4
12 ) 6 4 8
   - 6 0
     4 8
   - 4 8
       0
```

48 - 48

As there is no more digits so there is nothing to bring down

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Now let us see when you do not know the multiplication table of the divisor:

EXAMPLE : 675 ÷ 32

```
          2  1  → Q
      ┌──────
  32  │ 6  7  5
    — │ 6  4  ↓
      ├──────
        3  5
    — │ 3  2
      ├──────
          3  → R
```

$$\begin{array}{r} 3\ 2 \\ \times\ 2 \\ \hline 6\ 4 \end{array}$$

$$\begin{array}{r} 3\ 2 \\ +\ 3\ 2 \\ \hline 6\ 4 \end{array}$$

DIVISION

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EXAMPLE : 742 ÷ 22

```
          3  3  → Q
      ┌──────
22    │ 7  4  2
    − │ 6  6  ↓
      ──────────
          8  2
        − 6  6
        ──────
          1  6  → R
```

2	2
x	3
6	6

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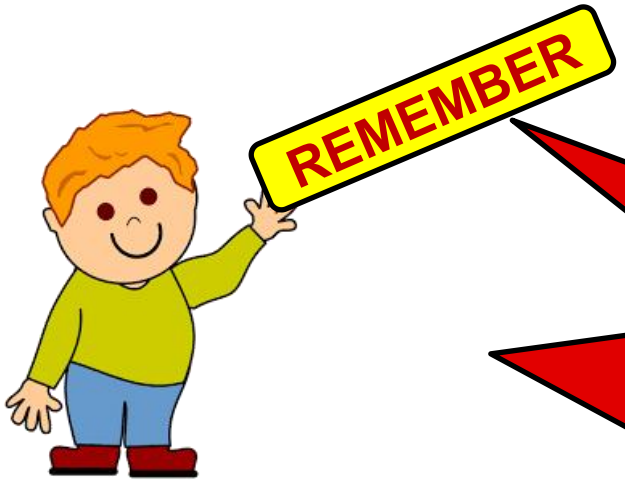

Everytime you subtract, the difference you get should be smaller than the DIVISOR

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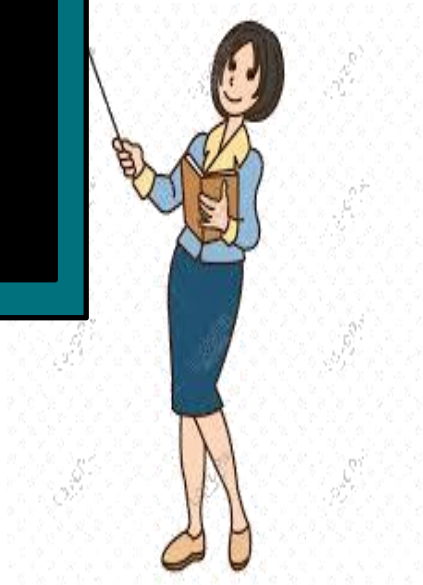
Extra questions
in notebook.



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Now let us solve:

1) 532 ÷ 17

2) 577 ÷ 23

3) 952 ÷ 14

4) 650 ÷ 20

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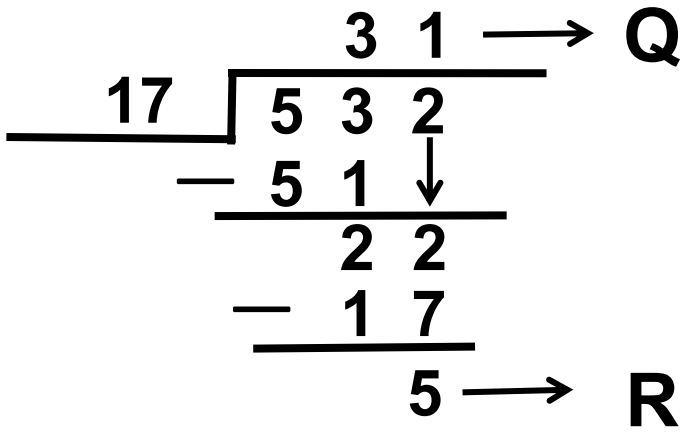
1) 532 ÷ 17



$$\begin{array}{r} 1\ 7 \\ \times\ 3 \\ \hline 5\ 1 \end{array}$$

$$\begin{array}{r} 1\ 7 \\ \times\ 1 \\ \hline 1\ 7 \end{array}$$

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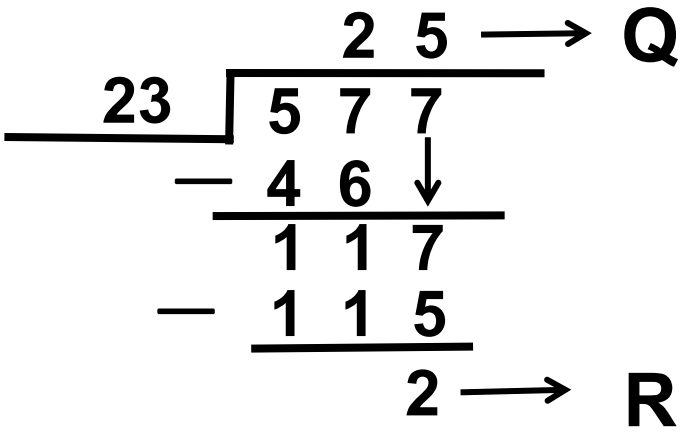
2) 577 ÷ 23



2	3
x	2
4	6

2	3
x	5
1 1	5

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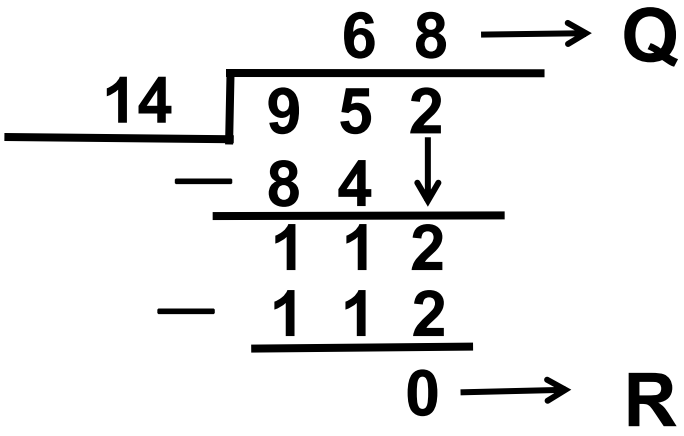
3) 952 ÷ 14



1 4	
x 6	
8 4	

1 4	
x 8	
1 1 2	

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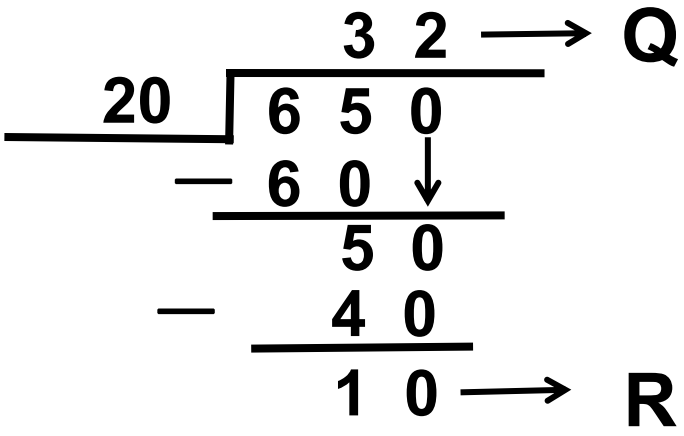
4) 650 ÷ 20



2	0
x	3
6	0

2	0
x	2
4	0

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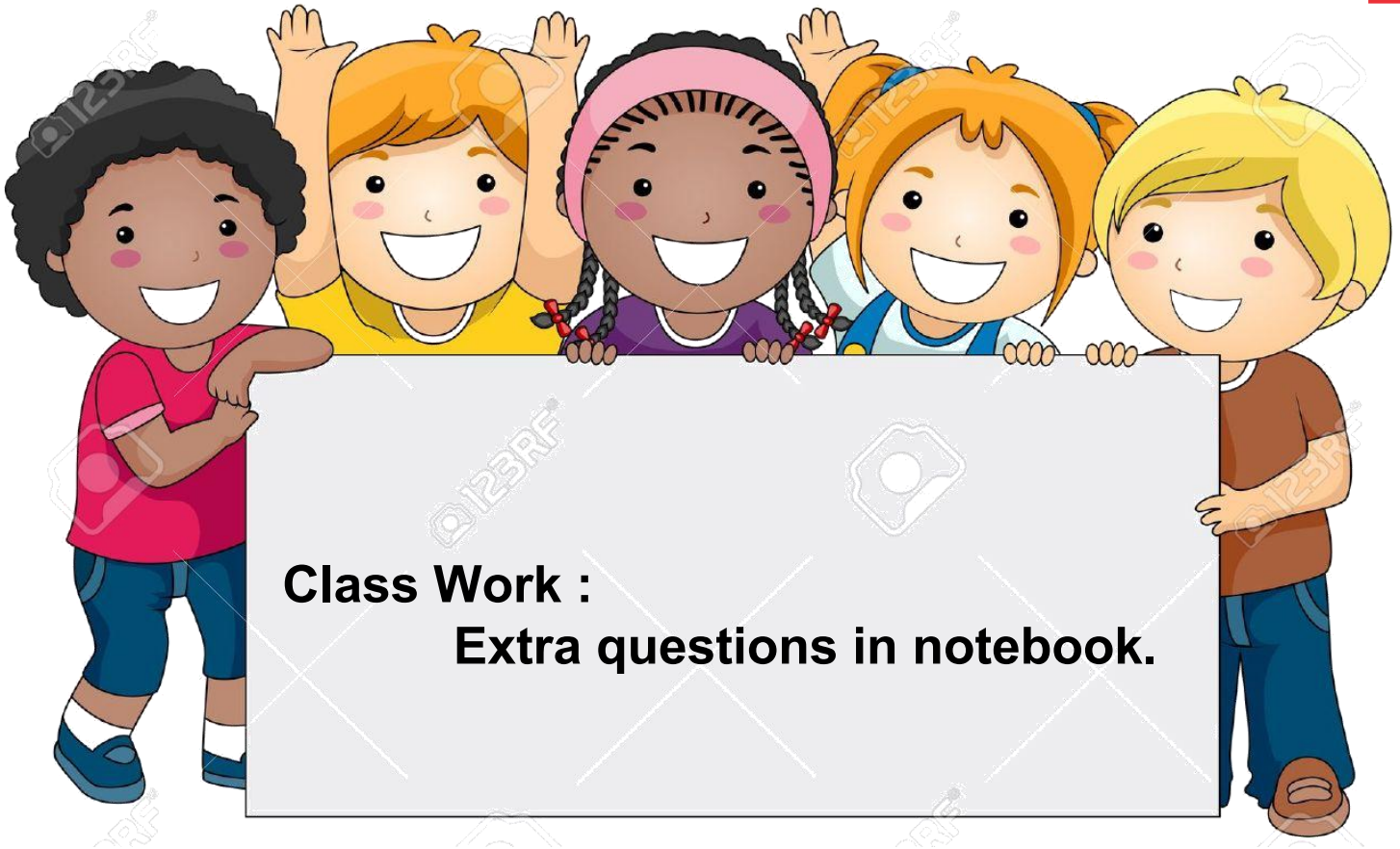

Class Work :

Extra questions in notebook.

LEARNING OUTCOME:

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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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