

**Class: 3**

**Subject: Mathematics**

**Prepared by Shameema Akhtar**

**Date: 10 / 6 / 2020**



**Chapter: Division**

**Lecture -2 notes**

At the end of the lesson, we will be able to.

- Solve two by one Division with remainder.

**Steps of solving division problem**

1)  $59 \div 7 =$

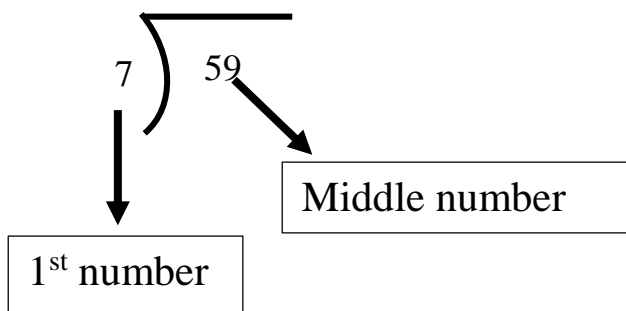
**Step1**

Write the given division problem vertically

$$\begin{array}{r} \phantom{00} \\ 7 \overline{) 59} \end{array}$$

**Step2**

Decide how many digit you will take for division. Take the 1<sup>st</sup> digit of the middle number, the same number that you have in the 1<sup>st</sup> number. If the number that you have taken from the middle number is smaller than the 1<sup>st</sup> number you have to take next digit.



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### Step3

Observe times table of 1<sup>st</sup> number and find closer number or exact middle number that you have chosen for divide.

$$\begin{array}{r} \square \\ 7 \overline{) 59} \end{array}$$

$$7 \times 8 = 56$$

$$7 \times 9 = 63$$

Closer number of 59 is 56. we can't cross 59 so 63 is not closer .number .We have to choose smaller possible number.

### Step 4

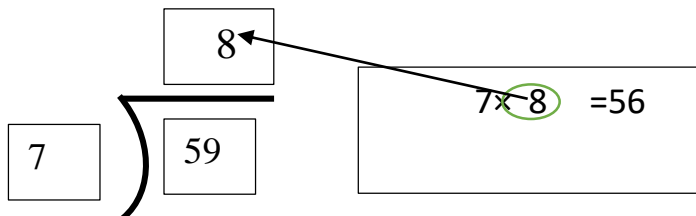
Write the number up to the middle number (from times table of 1<sup>st</sup> number), which is multiply with the 1<sup>st</sup> number of division problem and for which number we get closer number.

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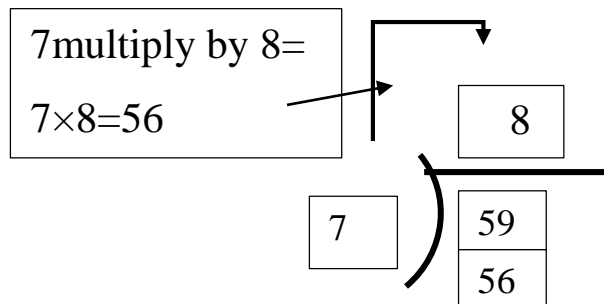
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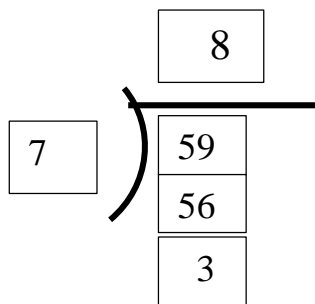
**Step 5**

Multiply upper number and 1<sup>st</sup> number write the answer bellow middle number.



**Step 6**

Take that multiplication result away from middle number for getting remainder.



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$$2)92 \div 4 =$$

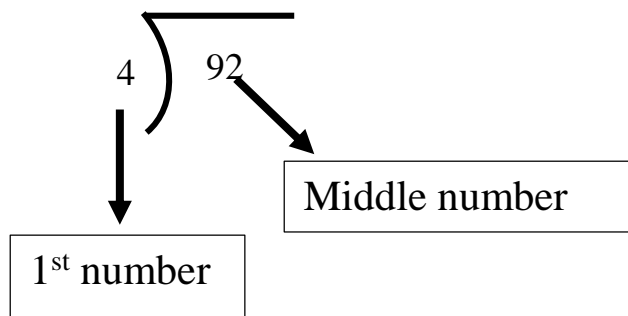
**Step1**

Write the given division problem vertically

$$\begin{array}{r} \phantom{0} \\ 4 \overline{) 92} \end{array}$$

**Step2**

Decide how many digit you will take for division. Take the 1<sup>st</sup> digit of the middle number, the same number that you have in the 1<sup>st</sup> number. If the number that you have taken from the middle number is smaller than the 1<sup>st</sup> number you have to take next digit.



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**Step3**

Observe times table of 1<sup>st</sup> number and find closer number or exact middle number that you have chosen for divide.

$$\begin{array}{r} \square \\ 4 \overline{) 92} \end{array}$$

$$4 \times 2 = 8$$

$$4 \times 3 = 12$$

Closer number of 9 is 8. we can't cross 9 so 12 is not closer number. We have to choose Smaller possible number.

**Step 4**

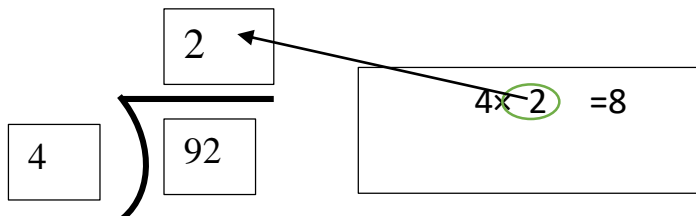
Write the number up to the middle number (from times table of 1<sup>st</sup> number), which is multiply with the 1<sup>st</sup> number of division problem and for which number we get closer number.

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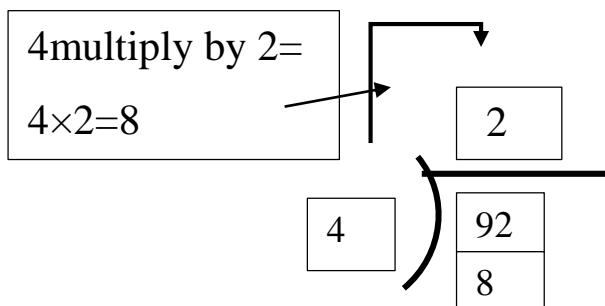
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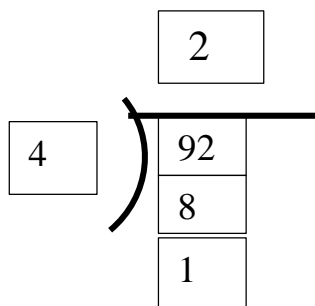
**Step 5**

Multiply upper number and 1<sup>st</sup> number write the answer below middle number.



**Step 6**

Take that multiplication result away from middle number for getting remainder.



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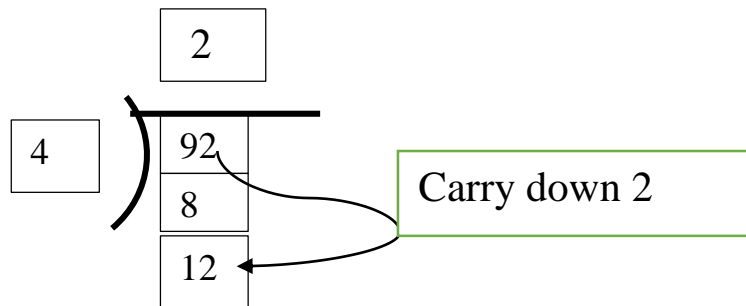
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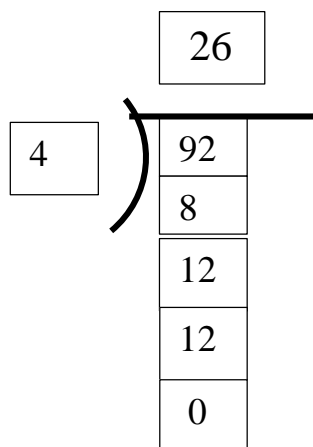
**Step 7**

Carry down to the next number. Decide how many digit you will take for division.



**Step 8**

Now we have a new number. Repeat process 3 to 6.



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**Assess your learning**

Do division:

$$1.13 \div 2 =$$

$$2.45 \div 6 =$$

$$3.27 \div 4 =$$

$$4.60 \div 8 =$$

$$5.14 \div 5 =$$

$$6.38 \div 4 =$$

$$7.57 \div 9 =$$

$$8.17 \div 3 =$$

$$9.40 \div 2 =$$

$$10.84 \div 7 =$$

$$11.51 \div 3 =$$

$$12.69 \div 4 =$$