SESSION : 7
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 6
CHAPTER NAME : DIVISION
SUBTOPIC : DIVISION BY A 2-DIGIT NUMBER

CHANGING YOUR TOMORROW

DIVISION BY A 2-DIGIT NUMBER

EXAMPLE :

DIVIDE	MULTIPLY	SUBTRACT	BRING DOWN

86 ÷ 17

17 x 5

86 - 85

8 ↓

DIVISION
DIVISION BY A 2-DIGIT NUMBER

DIVIDE	MULTIPLY	SUBTRACT	BRING DOWN

18 ÷ 17

17 x 1

18 - 17

7 ↓

DIVISION BY A 2-DIGIT NUMBER

DIVIDE	MULTIPLY	SUBTRACT	BRING DOWN

```
      5 1 1
17)8 6 8 7
 -  8 5
      1 8
   -  1 7
        1 7
```

17 ÷ 17

```
      5 1 1
17)8 6 8 7
 -  8 5
      1 8
   -  1 7
        1 7
        1 7
```

17 x 1

```
      5 1 1
17)8 6 8 7
 -  8 5
      1 8
   -  1 7
        1 7
     -  1 7
          0
```

17 - 17

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

DIVISION

DIVISION BY A 2-DIGIT NUMBER

EXAMPLE :   9381 ÷ 29

```
                3 2 3  ──→ Q
        ┌─────────────
   29   │ 9 3 8 1
        │ − 8 7 ↓
        │   6 8
        │ −  5 8 ↓
        │     1 0 1
        │   −  8 7
        │      1 4  ──→ R
```

```
  2 9
X   2
─────
  5 8
```

```
  2 9
X   3
─────
  8 7
```

MATHS

Extra questions
in notebook.

MATHS

Now let us solve:

1) 8534 ÷ 20

2) 6498 ÷ 18

3) 9457 ÷ 23

4) 7462 ÷ 16

MATHS

DIVISION BY A 2-DIGIT NUMBER

1) 8534 ÷ 20

```
              4 2 6    ──→  Q
   20 ) 8 5 3 4
       − 8 0
         5 3
       −  4 0
          1 3 4
       − 1 2 0
            1 4   ──→  R
```

```
  2 0
x   2
─────
  4 0
```

```
  2 0
x   6
─────
1 2 0
```

```
  2 0
x   4
─────
  8 0
```

MATHS

DIVISION
DIVISION BY A 2-DIGIT NUMBER

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2) 6498 ÷ 18

```
              3  6  1  ──────▶ Q
18 │  6  4  9  8
      ─ 5  4  ↓
         1  0  9
       ─ 1  0  8  ↓
               1  8
             ─ 1  8
                  0  ──────▶ R
```

```
   1  8
 x    6
 ───────
 1  0  8
```

```
   1  8
 x    1
 ───────
   1  8
```

```
   1  8
 x    3
 ───────
   5  4
```

MATHS

DIVISION BY A 2-DIGIT NUMBER

3) 9457 ÷ 23

```
                4  1  1   ──→ Q
        ┌─────────────────
  23    │   9  4  5  7
        │ ─ 9  2  ↓
        │   ─────────
        │      2  5
        │    ─ 2  3
        │    ─────────
        │         2  7
        │       ─ 2  3
        │       ─────────
                    4    ──→ R
```

```
   2  3
 x    1
 ──────
   2  3
```

```
   2  3
 x    4
 ──────
   9  2
```

MATHS

DIVISION
DIVISION BY A 2-DIGIT NUMBER

4) 7462 ÷ 16

```
                4 6 6  ──→ Q
   16  | 7 4 6 2
       − 6 4 ↓
         1 0 6
       −   9 6 ↓
           1 0 2
         −   9 6
               6  ──→ R
```

```
  1 6
x   6
─────
  9 6
```

```
  1 6
x   6
─────
  9 6
```

```
  1 6
x   4
─────
  6 4
```

MATHS
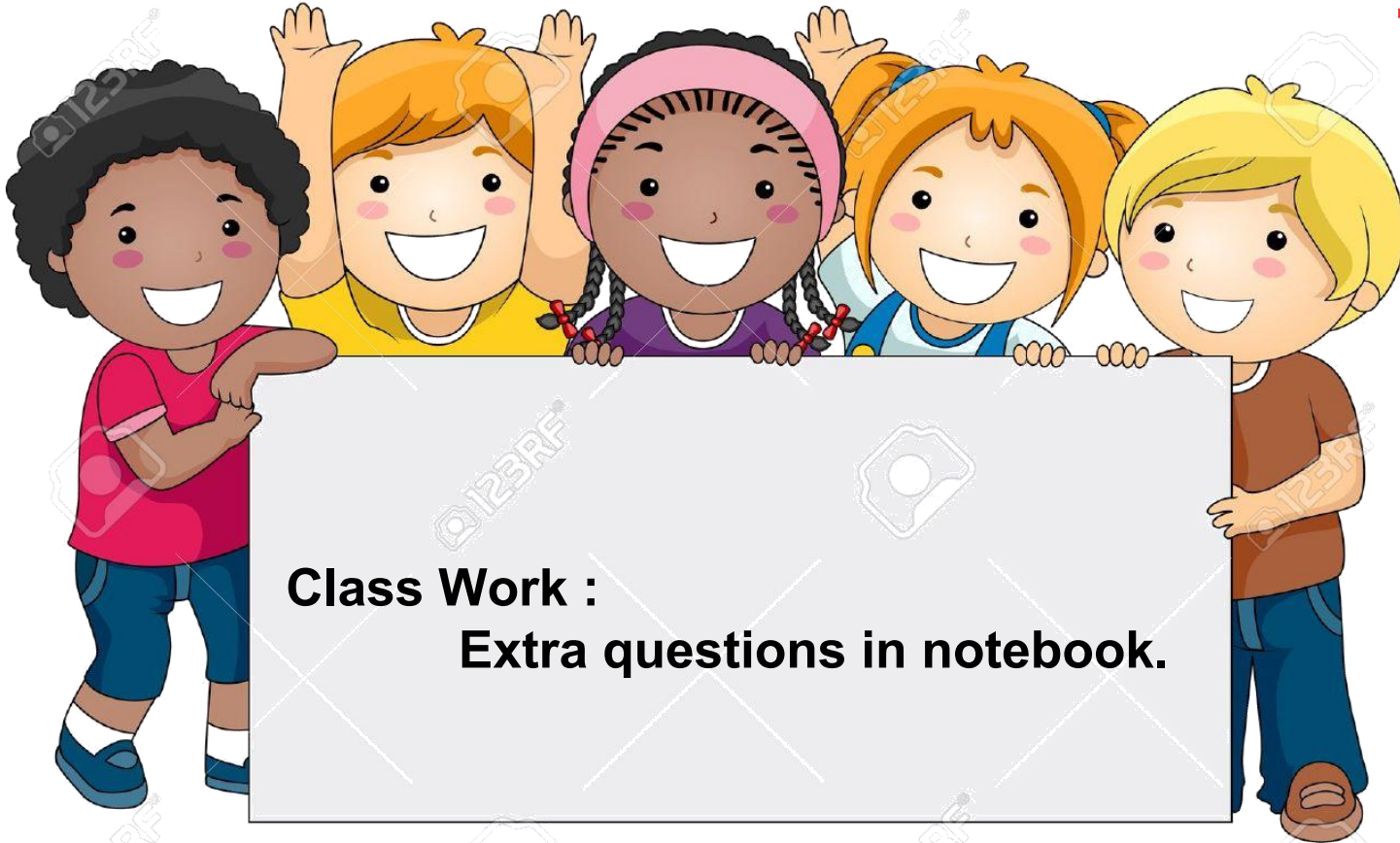
Class Work :
Extra questions in notebook.

Children are confident to determine that division is dividing objects into equal groups. Define these terms: dividend, divisor, and quotient.Recognize that division is the opposite of multiplication.Explain division. Perform division and divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.

THANKING YOU
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