Mathematics - Grade – 5

2nd Term -Student Note- 3

Dear children, please copy down the given note in your writing book and do the relevant exercises.

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Length and Distance

Units of Measuring Length

1cm

$$1cm = 10mm$$
$$100cm = 1m$$

Addition of Length

Lengths are added taking note of the units.

If the total of two lengths is 1000m, it is taken as 1km.

Look at these examples,

km	m
7	850
+ 4	720
1 5 7 0	
12	5 7 0

Exercise -4

(i) km	m	(ii) km	m	(iii) km	m
7	423	32	745	52	78
+ 28	560	+ 14	324	+16	35

Writing Statements

Example: 6

Saman travels 8km 120m by bus. He travels 3km 220m by train. Find the total distance he travelled by both bus and the train.

Distance travelled by bus	=	8km	120m
Distance travelled by train	= +	3km	220m
Total distance he travelled	=	11k m	340 m

Exercise -5

(1) A boy travelled 12 km 220m by a bus. Then he travelled another 3km 550m by train and he continued his journey by foot about 400m.
   (i)   Find the distance the boy travelled by the bus and the train.
   (ii) Find the distance the boy travelled by the train and the foot.
   (iii) What is the total distance the boy travels?

(2) A swimmer swam 2km 350m on the first day. In the second day he swam another 860m. Find the total distance he swam on the both days.

Subtraction of Length

$$
\begin{array}{rr}
\textbf{km} & \textbf{m} \\
45 & 595 \\
-\ \underline{25} & \underline{1\ 50} \\
\underline{20} & \underline{445}
\end{array}
$$

Exercise -6

(i) km   m

   42   620

- 18   200

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(ii) km   m

   55   300

- 27   450

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(iii) km   m

   18   267

- 11   105

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(iv)   The length of canal "A" is 56km. The length of canal "B" s 76km. By how much is canal "B" longer than canal "B"?

(v)   A cyclist has to compete 9km 250m of distance to win a race, If he has already completed 6km 120m , find the remaining distance he has to travel to win the race.

Multiplication and Division of Length.

Multiplication of length

```
     m      cm
     50     65
  X         3
     151    95
```

Exercise-7

Multiply.

(i)
```
   m    cm
   3    12
X       2
```

(ii)
```
  m    cm
  15   34
x      3
```

(iii)
```
  m    cm
  33   60
x      4
```

Writing statements.

Length of a table is 2m 75cm. Find the length of three such tables.

Length of a table	=	2m 75cm
No . of tables	=	x 3
Length of three such tables	=	8m 25cm

Exercise-8

(1) A bundle of rope is 9m 25cm. what is the total distance that can be covered by drawing four such bundles of rope along a road?

(2) There are three cloth lines with 7m 45cm length of each. Find the total length of the three cloth lines.

Division of length

```
        0 6 0 m    1 6cm
       ─────────────────────
   4  │ 2 4 0 m    6 4 cm

       0

       2 4

       2 4

          0 0

              0    6
              4

                2  4
                2  4

                   0        An- 60m 16cm
```

Exercise-8

(1) Divide.

(i) $2\overline{\smash{)}50\ m\ \ 45cm}$

(ii) $4\overline{\smash{)}74\ m\ \ 20cm}$

(iii) $5\overline{\smash{)}123m\ \ 28cm}$

(iv) $3\overline{\smash{)}309m\ 77cm}$

(v) $5\overline{\smash{)}480m\ \ 18cm}$

(2) Write statements and solve

(i)   The length of a table is twice its breadth. If the length of the table is 18m 36cm find the breadth of it.

(ii)   Three boxes are kept on one another. If the height of three boxes is 48m 60cm find the height of a box.