ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION	**: 4**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 12**
CHAPTER NAME	**: MEASUREMENT**
SUBTOPIC	**: WEIGHT AND CONVERSION OF WEIGHT, KILOGRAMS INTO GRAMS, EX-12 D**

LEARNING OBJECTIVE

- **Enable the students to understand about different units of weight and how to do the conversion of weight.**

ADDITION OF LENGTHS

EXERCISE – 12(B)

B. **Word problems**.

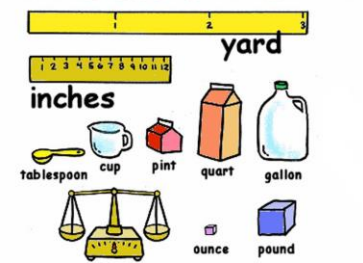
2. A wire of length 2m 35cm is joined with another wire of length 7m 95cm. What will be the total length of the wire?

The length of a wire = 2m 35cm

Length of another wire = 7m 95cm

Total length of wire =

	m	cm
	1	1
	2	3 5
+	7	9 5
	10	30



Hence, The total length of the wire will be **10m 30cm**.

SUBTRACTION OF LENGTHS

EXERCISE – 12(C)

B. Word problems.

3. Rajesh's house is 10km 250m from school and Vinod's house is 3km 875m from school. Whose house is nearer to the school and by how much?

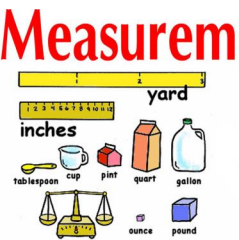
The total length of school from Rajesh's house = 10km 250m.

The total length of school from Vinod's house = 3km 875m.

Total difference of length of two friends school from house =

	km	m		
	9	11	14	10
	~~1~~	~~0~~	~~2~~ ~~5~~	~~0~~
-	3	8	7	5
	6	3	7	5

Thus, Vinod's house is nearer to the school from Rajesh's from **6km 375m**.



WEIGHT

*We measure the weight of objects in **grams** and **kilograms**. For example, we weigh ourselves in **kilograms**, we buy rice, wheat, fruit, etc. In **kilograms**, while smaller quantities, light objects or precious objects such as gold, silver, medicines etc. are weighed in **grams**.*

1 kilogram = 1,000 grams

The short form of gram is ‘g’ and of kilogram is ‘kg’.

WEIGHT

CONVERSION

EXAMPLE : Convert 1 kg, 5 kg, 6 kg 250 g and 8 kg 750 g to grams.

(a) 1 kg = 1 × 1,000g = **1,000g**

(b) 5 kg = 5 × 1,000g = **5,000g**

(c) 6kg 250g = 6 × 1,000g + 250g = 6,000g + 250g = **6,250g**

(d) 8kg 750g = 8 × 1,000g + 750g = 8,000g + 750g = **8,750g**

WEIGHT

EXERCISE – 12(D)

Convert into grams..

(1) 2 kg = **2,000** g

2 × 1,000g = **2,000g**

(2) 14kg 438g = **14,438** g

14 × 1,000g + 438g = 14,000g + 438g = **14,438g**

(3) 4 kg = **4,000** g

4 × 1,000g = **4,000g**

WEIGHT

EXERCISE – 12(D)

Convert into grams..

(4) 24kg 175g = **24,175** g

24 × 1,000g + 175g = 24,000g + 175g = **24,175g**

(5) 10 kg = **10,000** g

10 × 1,000g = **10,000g**

(6) 42kg 264g = **42,264** g

42 × 1,000g + 264g = 42,000g + 264g = **42,264g**

WEIGHT

EXERCISE – 12(D)

Convert into grams..

(7) 71kg 020g = **71,020** g

71 × 1,000g + 020g = 71,000g + 020g = **71,020g**

(8) 64kg 108g = **64,108** g

64 × 1,000g + 108g = 64,000g + 108g = **64,108g**

(9) 58kg 078g = **58,078** g

58 × 1,000g + 078g = 58,000g + 078g = **58,078g**

(10) 80kg 009g = **80,009** g

80 × 1,000g + 009g = 80,000g + 009g = **80,009g**

LEARNING OUTCOME:

Students are able to understand the different units of weight and how to do the conversion of weight.

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THANKING YOU

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