****

**Using Decimals**

There are a lot of areas where decimals are used. Some of them are:

**Weight**

****

1kg = 1000 grams

gram = 1/1000 kgs

1 gram = 0.001 kgs

**Money**

****

1 Rs. = 100 paise

1 paise = 1/100 paise

1 paise = Rs. 0.01

**Length**

****

1metre = 100 cms

1 cm = 1/100 m

1cm = 0.01 m

Problems: Express 75 paise as rupees using decimals.

Solution:

Rs1 = 100 paise

1 paise = 1/100 = Rs 0.01

75 paise = Rs. 75\*0.01

= Rs. 0.75

Problems: Express 5 kg 8 g as kg using decimals.

Solution:

5kg is already in the unit of kg. So we will convert 8 g.

1kg = 1000 g

1 g = 0.001 kg

8 g = 8\*0.001 kg

8g = 0.008 kg

Now 5kg 8g = 5kg + 8g

To make the addition possible, both the values must be in the same unit.

5kg 8g = 5kg + 0.008 kg

5kg 8g = 5.008 kg.