Using decimals to express mass (weight)

A. Choose the correct answer:

1. 2.5 kg is equal to how many grams

a) 250 g	b) 2500 g
c) 25 g	d) 2005 g

2. Which of the following is the correct decimal for 3 kg 400 g

	a) 3.04 kg	b) 3.4 kg
	c) 3.04 g	d) 3.004 kg
3.	1.75 kg is equal to	
	a) 1 kg 750 g	b) 1 kg 75 g
	c) 175 g	d) 17.5 kg
4.	Which of these is greater	
	a) 2.09 kg	b) 2.9 kg
	c) 2.09 g	d) 0.209 kg
5.	The decimal form of 750 g is	
	a) 7.50 kg	b) 0.75 kg

- **B.** Write the Missing Terms to Complete the Sentences:

d) 0.0075 kg

1. 2.5 kg = _____ g.

c) 75.0 kg

- 2. 3 kg 250 g = _____ kg.
- 3. 1.05 kg + 2.2 kg = _____ kg.
- 4. 800 g = _____ kg.
- 5. 4.25 kg 1.5 kg = _____ kg.
- C. Mark each sentence with a True (✔) or False (X):
 - 1. 0.5 kg = 500 g.
 - 2. 3.75 kg = 3 kg 75 g.

- 3. 1.2 kg + 0.3 kg = 1.5 kg.
- 4. 0.1 kg is greater than 100 g.
- 5. 5.0 kg is equal to 5 kg.

D. Figure out the answers to these questions:

- 1. Convert 6 kg 125 g into decimal form in kg.
- 2. A bag weighs 2.75 kg Another bag weighs 1.6 kg What is their total weight.
- 3. Subtract 1.25 kg from 3.5 kg.
- 4. Convert 0.65 kg into grams.
- 5. A box contains $\frac{1}{2}$ kg of sugar Express it in decimal form.

E. Challenge yourself with these questions:

- 1. A watermelon weighs 3.75 kg A melon weighs 2.6 kg How much heavier is the watermelon.
- 2. Convert 1 kg 450 g and 3 kg 550 g into decimals and find the total.
- 3. A shop sells 4 packets of flour each weighing 1.25 kg What is the total mass.
- 4. Which is heavier 2.05 kg or 2 kg 50 g Explain using decimals?
- 5. A sack of rice weighs 12.8 kg It is repacked into 4 equal parts What is the weight of each part.