MASS

Learning objective:

- I am able to convert kilograms to gram or grams to kilograms

Step to success:

- use 1 kg= 1000 g
- Convert kilograms to grams
- Convert grams to kilograms

Converting mass from from kg to g or g to kg is the same as when we converted lengths.

Converting kilograms to grams

So. 1 kilogram = 1000 grams

We can use this to find 8 kilogram in grams.

1 kg = 1000 g

8 kg = 8 x 1000 g

= 8000 g

Converting grams to kilograms

Using 1000 g = 1 kg

We can use this to find 5000 g in kilograms

1000 g = 1 kg

5000 g = 5000 ÷ 1000

= 5 kg

LIVEWORKSHEETS

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CONVERT THE FOLLOWING INTO GRAMS

Example

1 kg 50 g → 1 kg = 1000 g; 50 g

1000 + 50 = 1008

Hence, 1 kg 8 g is equal to 1050 g

Example

5 kg 405 g → 5 kg = 5000 g; 405 g

5000 + 405 = 5405

Hence, 1 kg 8 g is equal to 5405 g

1 8 kg 689 g → 8 kg = ☐ g; ☐ g

Hence, 8 kg 689 g is equal to ☐ g

2 6 kg 10 g → 6 kg = ☐ g; ☐ g

Hence, 6 kg 10 g is equal to ☐ g

3 4 kg 740 g → 4 kg = ☐ g; ☐ g

Hence, 4 kg 740 g is equal to ☐ g

LIVEWORKSHEETS

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CONVERT THE FOLLOWING INTO KILOGRAMS AND GRAMS

Example

5805g → 5000 g = 5 kg, 805 g

5805 − 5000 = 0805

Hence. 8091 g is equal to 5 kg 805 g

Example

6090 g → 6000 g = 6 kg, 90 g

6090 − 6000 = 0090

Hence. 8091 g is equal to 6 kg 90 g

1. 4900 g → 4000 g = ☐ kg; ☐ g

Hence. 4900g is equal to ☐ kg ☐ g

2. 5205 g → 5000 g = ☐ kg; ☐ g

Hence. 5205 g is equal to ☐ kg ☐ g

3. 3320 g → 3000 g = ☐ kg; ☐ g

Hence. 3320 g is equal to ☐ kg ☐ g

LIVEWORKSHEETS