

# Watermelons

Here are three watermelons.



The one in the front of the picture weighs 7.35kg.

The one on the left of the picture weighs 8.20kg.

The one on the right of the picture weighs 6.45kg.

In a melon-growing competition, a melon is awarded a point for each gram that it weighs.

How many points does each melon gain?  
Can you explain how you worked this out?

## workings

$$7.35\text{kg} \times 1000 = 7350$$

T	H	H	T	O	T	H	th
				7	.	3	5

3 places to left. = 7350

1

$$8.20\text{kg} \times 1000 = 8200$$

T	H	H	T	O	T	H	th
				8	.	2	0

3 places to left = 8200

2

$$6.45\text{kg} \times 1000 = 6450$$

T	H	H	T	O	T	H	th
				6	.	4	5

3 places to left = 6450

3

23.2.18 Numicon/Rulers

WALT solve problems involving metric units of mass.

Success Criteria

I can discuss a problem with a partner.

I can decide what I need to be able to think through the problem.

I can show my working out clearly.

M	T

Ross, Kian  
(9) (9)

kg and g

To convert between kg - g you have to

$\times 1000$   
on a slider that's  
3 places to the left.

$$\#1 = 8200$$

$$\#2 = 7350$$

$$\#3 = 6450$$

To convert between g - kg you have to

$\div 1000$   
on a slider it is  
3 places to the right.

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How many points does each melon gain?

Can you explain how you worked this out?

- I can discuss a problem with a partner.
- I can decide what I need to be able to think through the problem.
- I can show my working out clearly.

M	T

TTh	Th	H	T	O	.	T	h	th
	6	4	5	0		4	5	

(3)

x1000

middle 7.35kg

left 8.20kg

Right 6.45kg

$$7.35\text{kg} = 7350\text{g}$$

$$8.20\text{kg} = 8200\text{g}$$

$$6.45\text{kg} = 6450\text{g}$$

me and Kiera know that you need to x1000. To x1000 you move it 3 places to the left.

TTh	Th	H	T	O	.	T	h	th
	7	3	5	0		3	5	

(1)

x1000

TTh	Th	H	T	O	.	T	h	th
	8	2	0	0		2	0	

(2)

x1000

1<sup>st</sup> 8200kg

2<sup>nd</sup> 7350kg

3<sup>rd</sup> 6450kg