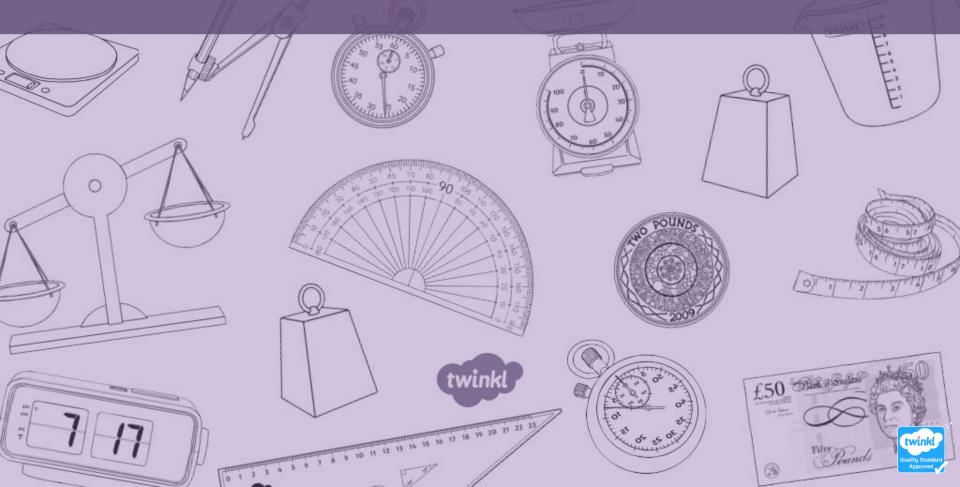






Converting Units of Mass





Aim

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• I can convert between units of mass.

Success Criteria

- I can convert from kilograms to grams by multiplying by 1000.
- I can convert from grams to kilograms by dividing by 1000.
- I can convert and order mixed units of mass.

Closest to a Kilogram



The aim of the game is to get closest to a kilogram. **1kg = 1000g**



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Kilograms to Grams

There are 1000 grams in 1 kilogram. How many grams are there in

3kg?

3000g

4kg?

40009

0

iss.

5kg?

5000g

Pounds

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What calculation do we need to do to convert from kilograms to grams?

2kg?

2000g

We need to multiply the number of kilograms by 1000.

grams in the same mass as kilograms.

9 10 11 12 13

What's the Mass?

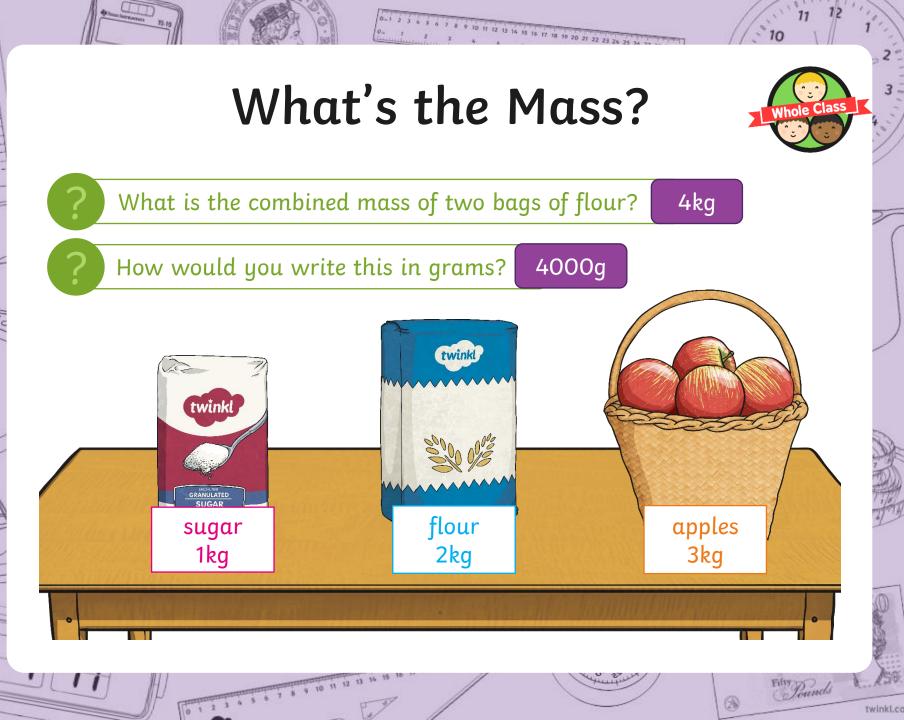
12 13 14 15 16 17 18

10

2

3-





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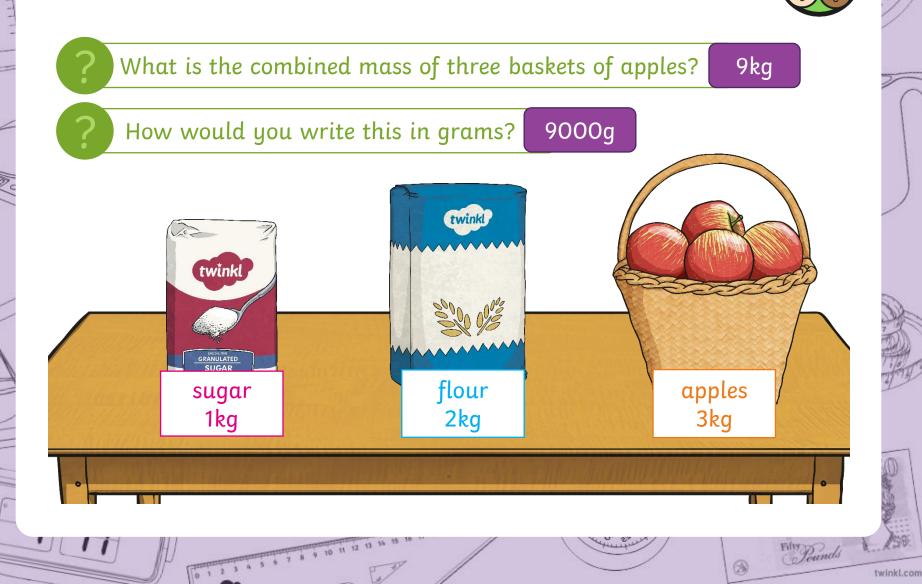
What's the Mass?

12 13 14 15 16 17 18

- 10

2

3-



What's the Mass?

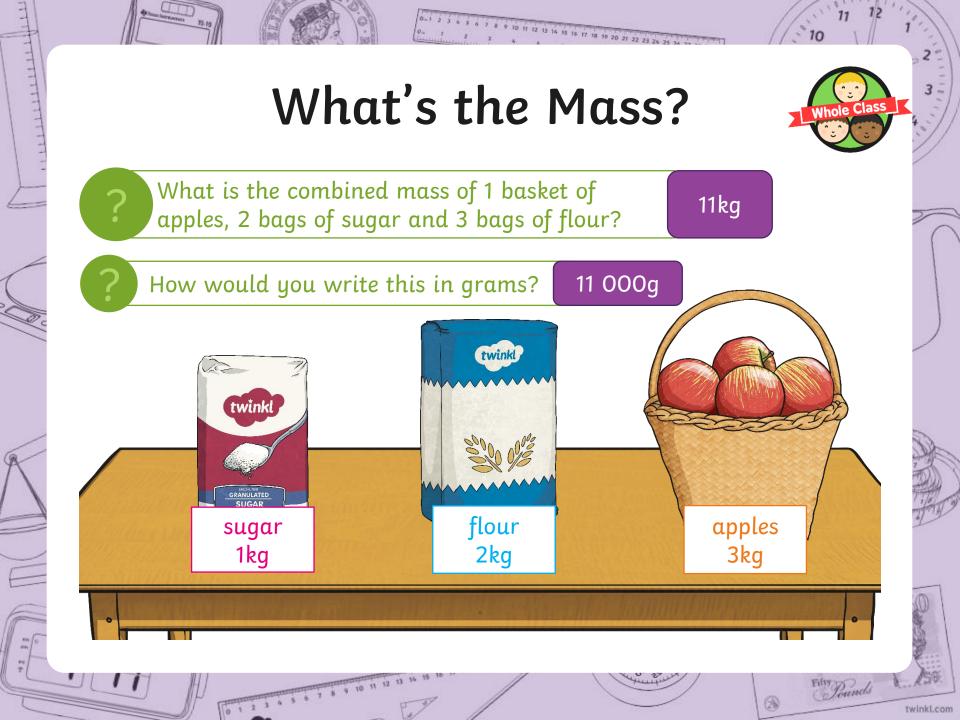


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What's the Mass? Mixed Units

Sometimes, mass is given in mixed units: kg and g.

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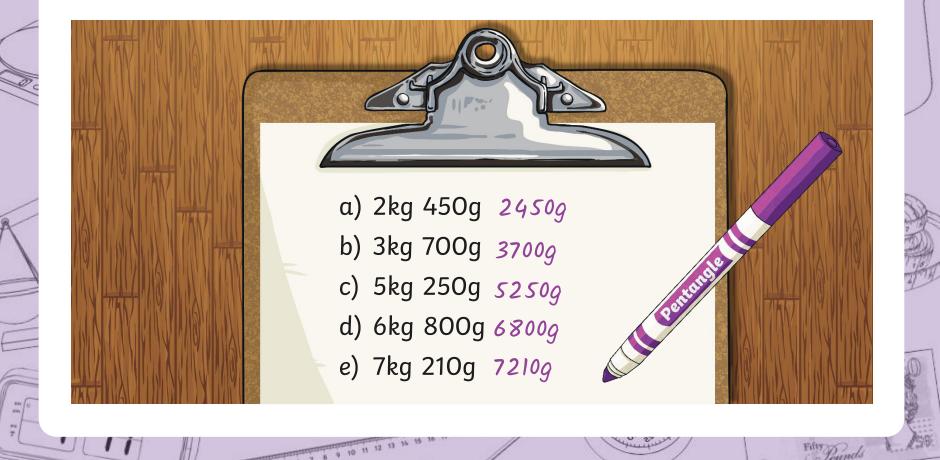
1kg 300g 2kg 600g 4kg 350g

How could we convert these measurements into grams?

We need to multiply the kilogram measurement by 1000, then add on the gram measurement. 1kg 300g = 1000g + 300g = 1300g

What's the Mass? Mixed Units

Write the following in grams:



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Converting Grams to Kilograms



To convert from grams to kilograms, we divide the number of grams by 1000: 5000g ÷ 1000 = 5kg

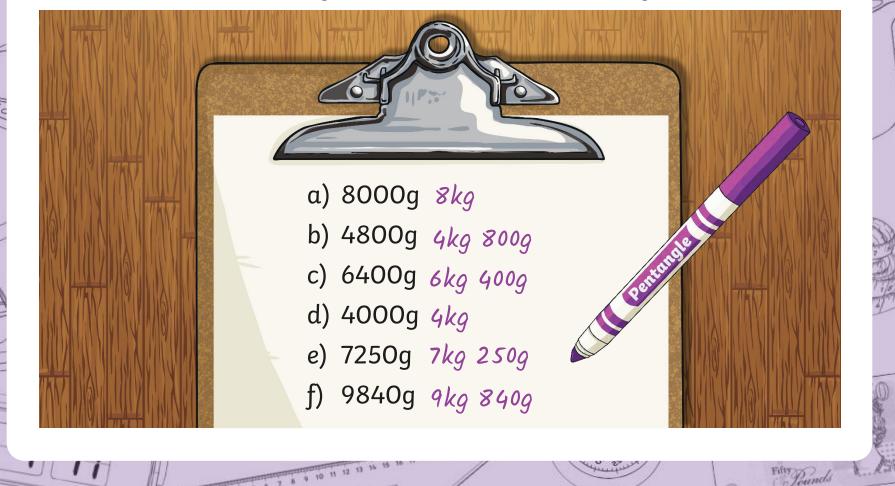
If this creates a decimal number, the thousandths become grams: 2500g ÷ 1000 = 2.500 = 2kg 500g



Pounds

Converting Grams to Kilograms

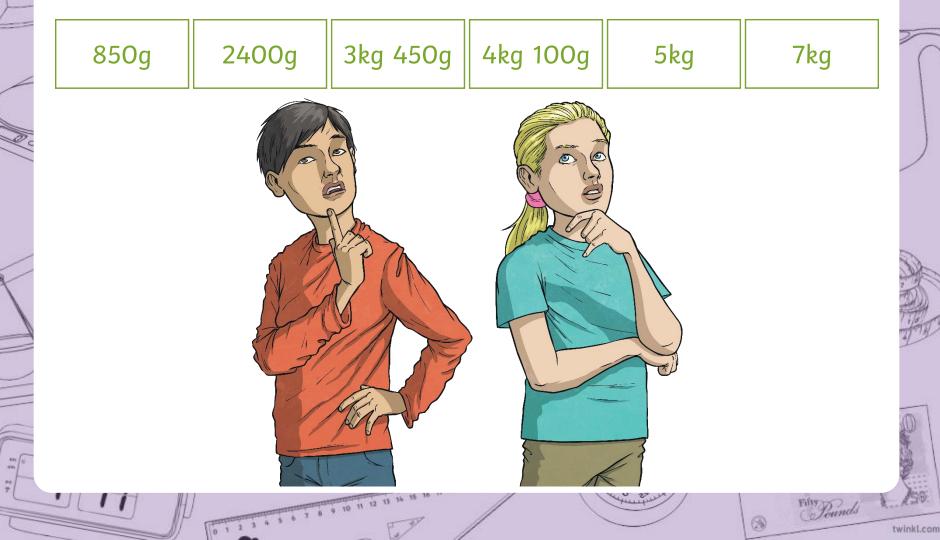
Convert these grams measurements into kilograms:



Ordering Mixed Units

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Order these mass measurements from the lightest to heaviest:



Converting Units of Mass

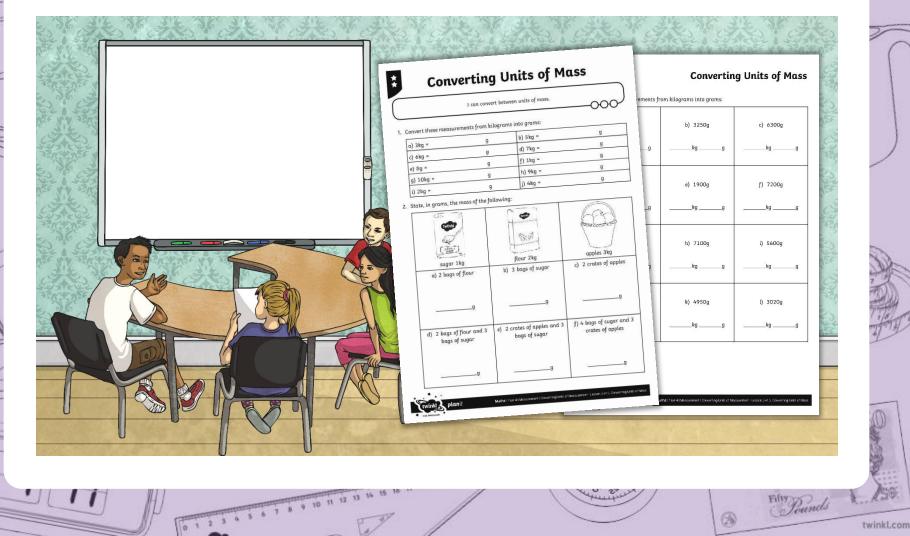
9 10 71 12 13 14 15 16 17 18 19 20 21 22 23

2

3-

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Use your cracking conversion skills to complete this activity sheet.

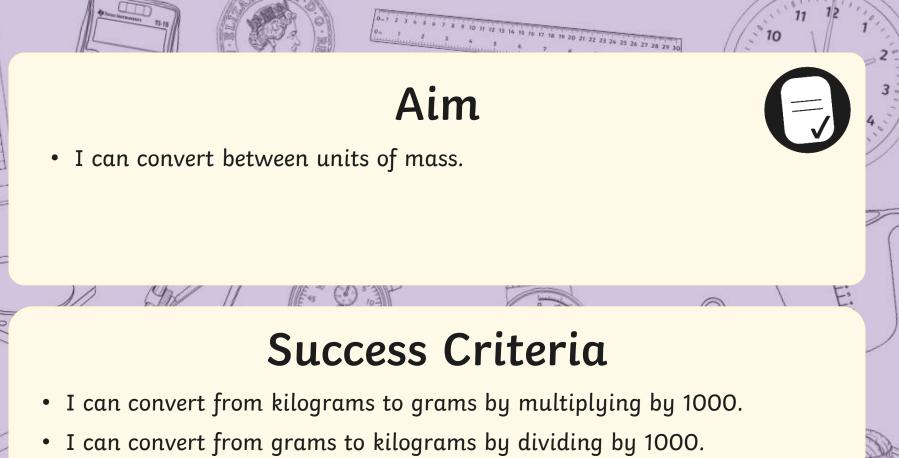


The Answer Is...

If the answer is 2500g, write two questions for which this could be the answer.



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• I can convert and order mixed units of mass.

