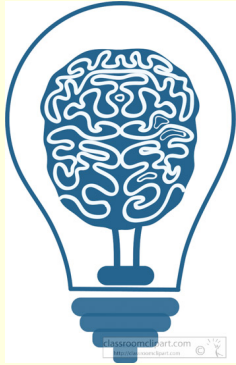


Look out for these symbols.
They tell you what to do 😊

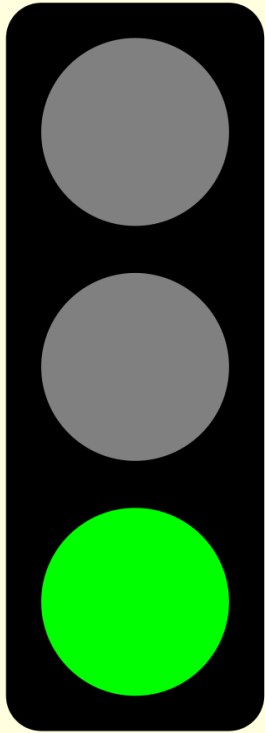


Think about how to answer it,
solve it in your head.

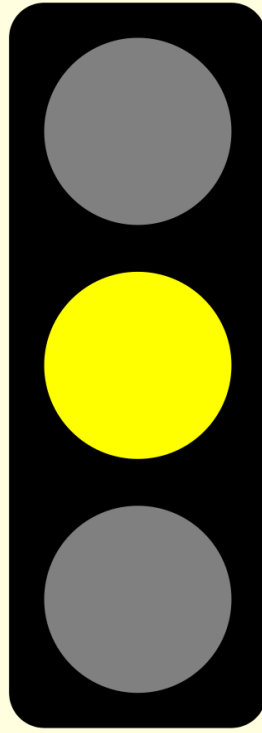


Write the answer in your work book.

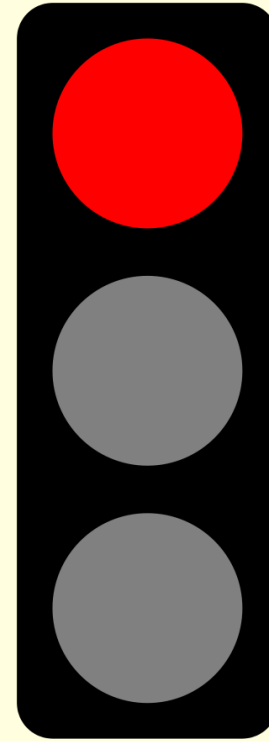
When choosing which questions to answer, use this as a guide to help.



Easier



Medium



Harder

20.04.20

L.O. I am learning to measure
and order weights (g/kg).

20.04.20 Mental Maths



You can work these out in your head or write them down if it helps.

Ten more

.....

**Write the number which
is 10 more than:**

1. 28
2. 64
3. 38
4. 89
5. 91

**Write the number which
is 10 less than:**

6. 10
7. 32
8. 57
9. 76
10. 105

20.04.20

L.O. I am learning to measure and order weights (g/kg).



How can we measure the weight of an object?

When might we need to weigh objects?

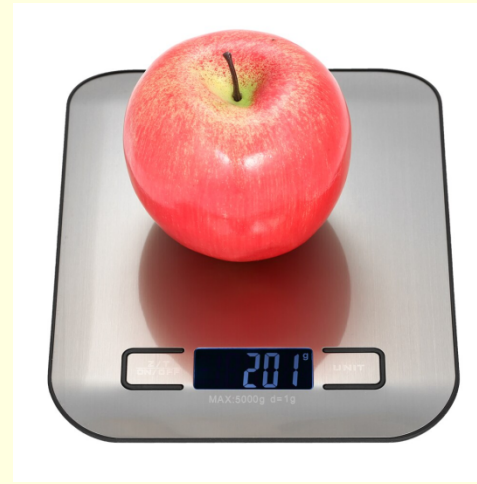


20.04.20

L.O. I am learning to measure and order weights (g/kg).



We can weigh objects using **weighing scales**.



The units of measure we are using are **grams (g) and kilograms (kg)**.



20.04.20

L.O. I am learning to measure and order weights (g/kg).

Do you have weighing scales in your house?

Do you know how to use them?



Activity 1: Practise using your weighing scales.

- Do your scales measure different units of measure?
- Can you weigh an object in grams?
- How do you know how much it weighs?



20.04.20

L.O. I am learning to measure and order weights (g/kg).



Today you're going to guess weights and order objects from around your house.

1. In your kitchen, find 6 items of food in their packets.
It's important they are in their packets so you can check if you're right at the end.
2. Hold each item in your hand,
*Which do you think is the heaviest?
*Which do you think is the lightest?
3. Order the food you collected from lightest to heaviest on a table. Write down how you have ordered the food items.



Example:



| | <u>Weight prediction</u> |
|----|--------------------------|
| | <i>Lightest</i> |
| 1. | Crisps |
| 2. | Pasta |
| 3. | Bread |
| 4. | Cereal |
| 5. | Carrots |
| 6. | Apples |
| | <i>Heaviest</i> |

20.04.20

L.O. I am learning to measure and order weights (g/kg).



Check your predictions!

1. Look at each packet of food and find the weight.
Ask a sibling or grown up to help you if you cant find a weight.
2. Order the food starting from lightest to heaviest.
You can do this by starting with the **smallest** number on each packet.
3. Were you right? Did you have to move any objects?
Add your results to your predictions, putting the objects in the right order.



Example:



| | <u>Weight prediction</u> | <u>Result</u> |
|----|--------------------------|-----------------|
| | <i>Lightest</i> | <i>Lightest</i> |
| 1. | Crisps | Crisps = 37g |
| 2. | Cereal | Carrots = 200g |
| 3. | Bread | Pasta = 500g |
| 4. | Carrots | Apples = 680g |
| 5. | Pasta | Cereal = 750g |
| 6. | Apples | Bread = 800g |
| | <i>Heaviest</i> | <i>Heaviest</i> |

20.04.20

L.O. I am learning to measure and order weights (g/kg).

Bonus Task!



Do this activity again but this time use 6 objects that are not food from around your house.



Can you order them from lightest to heaviest?
Write down your prediction and result.

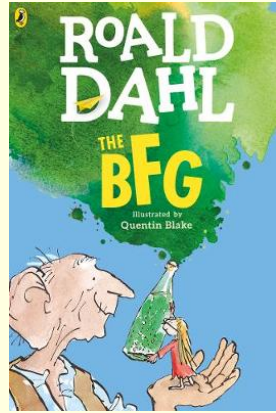


To check your ordering, you will need to weigh each object using weighing scales.



If you don't have weighing scales, then you can ask an adult to help you check your ordering, do they agree?

Example:



| | <u>Weight prediction</u> | <u>Result</u> |
|----|--------------------------|---------------------|
| | <i>Lightest</i> | <i>Lightest</i> |
| 1. | Pencil case | Pencil case = 95g |
| 2. | Book | Slippers = 164g |
| 3. | Mug | Mobile phone = 180g |
| 4. | Mobile phone | Book = 250g |
| 5. | Slippers | Mug = 291g |
| 6. | Indoor plant | Indoor plant = 705g |
| | <i>Heaviest</i> | <i>Heaviest</i> |

21.04.20

L.O. I am learning to compare
and convert weights (g/kg).

21.04.20

Mental Maths



You can work these out in your head or write them down if it helps.

Large and small

.....

1. Which is less, 23p or 25p?
2. Which is more, 45 or 54?
3. Which is heavier, 13 kg or 3 kg?
4. Which is shorter, 30 cm or 13 cm?

Write the smallest number.

5. 12, 21, 2, 20
6. 30, 50, 20, 60
7. 34, 43, 23, 32

Write the largest number.

8. 89, 95, 48, 79
9. 29, 57, 12, 86
10. 11, 1, 21, 71



21.04.20

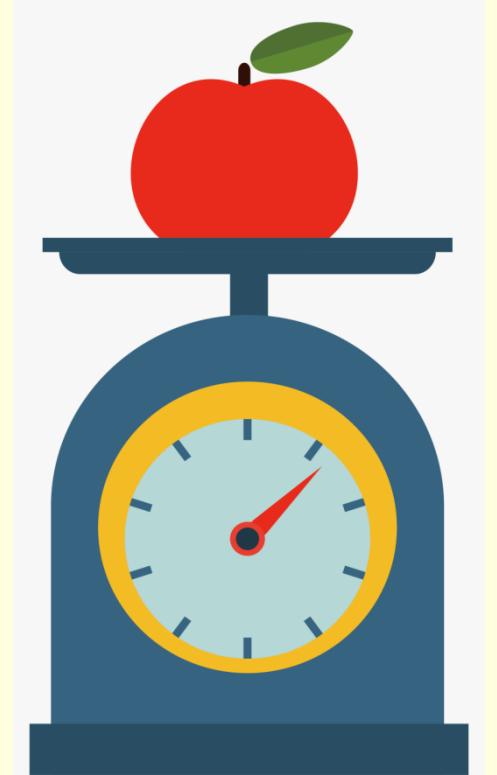
L.O. I am learning to compare and convert weights (g/kg).



1 kilogram (kg) = 1000 grams (g)

Which is heavier,
7 grams or 6 kilograms?

How do you know?



21.04.20

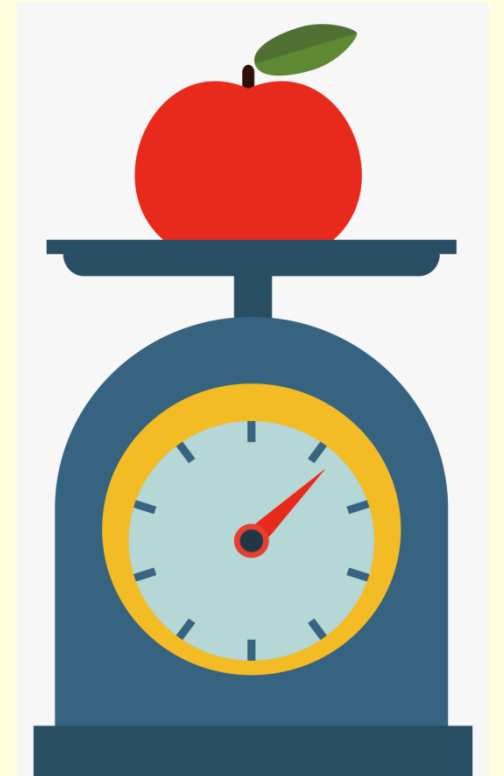
L.O. I am learning to compare and convert weights (g/kg).

1 kilogram (kg) = 1000 grams (g)

6 kilograms is heavier.

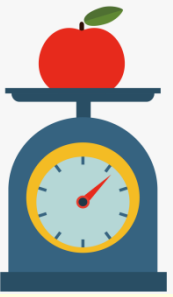
1 kg = 1000 g *so* 6 kg = 6000g

6000g is bigger than 7g



21.04.20

L.O. I am learning to compare and convert weights (g/kg).



$$1 \text{ kilogram (kg)} = 1000 \text{ grams (g)}$$

If we know how many grams are in a kilogram, we can begin to convert weights.

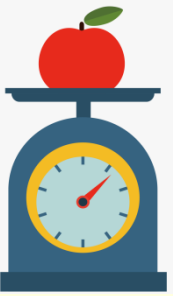
Example: $1\text{kg } 500\text{g} = 1000\text{g} + 500\text{g} = 1500\text{g}$

$$1\text{kg } 850\text{g} = 1000\text{g} + 850\text{g} = 1850\text{g}$$

$$1\text{kg } 605\text{g} = 1000\text{g} + 605\text{g} = 1605\text{g}$$

21.04.20

L.O. I am learning to compare and convert weights (g/kg).



1 kilogram (kg) = 1000 grams (g)

Convert these mixed weights into grams (g):

Example: 1kg 200g = 1200g

1. 1kg =
2. 1kg 500g =
3. 1kg 650g =
4. 1kg 320g =
5. 1kg 910g =
6. 2kg 100g =
7. 2kg 435g =
8. 3kg 801g =

Convert these mixed weights into grams (g):

Example: 1kg 200g = 1200g

1. 1kg 400g =
2. 1kg 950g =
3. 1kg 130g =
4. 2kg 320g =
5. 2kg 910g =
6. 3kg 100g =
7. 4kg 405g =
8. 5kg 801g =

Convert these mixed weights into grams (g):

Example: 1kg 200g = 1200g

1. 1kg 140g =
2. 1kg 015g =
3. 1kg 131g =
4. 2kg 020g =
5. 5kg 101g =
6. 3kg 102g =
7. 4kg 5g =
8. 10kg 80g =

22.04.20

L.O. I am learning to add
weights (g/kg).

22.04.20 Mental Maths



You can work these out in your head or write them down if it helps.

In between
.....

Write a number in the box so that the three numbers are in order.

1. 27 31
2. 18 25
3. 54 60
4. 75 81
5. 89 92

Write the number half way between:

6. 7 and 11
7. 20 and 30
8. 44 and 50
9. 90p and £1
10. 50 cm and 60 cm

22.04.20

L.O. I am learning to add weights (g/kg).



Today we are revising using column addition to add weights of objects.

$$\begin{array}{r} \text{H T O} \\ 164 \text{ g} \\ + 332 \text{ g} \\ \hline 496 \text{ g} \end{array}$$

1. Write HTO and write your sum.
2. Start by adding the ones.
3. Then add the tens.
4. Finally add the hundreds.

The only difference is we add g as our unit of measure.

22.04.20

L.O. I am learning to add weights (g/kg).



Some sums involve carrying
over **tens/hundreds**.

1. Write HTO and write your sum.
2. Start by adding the ones.
3. Then add the tens.
4. Finally add the hundreds.

$$\begin{array}{r} \text{HTO} \\ 217 \text{ g} \\ + 254 \text{ g} \\ \hline 471 \text{ g} \\ \hline 1 \end{array}$$

$$\begin{array}{r} \text{HTO} \\ 185 \text{ g} \\ + 263 \text{ g} \\ \hline 448 \text{ g} \\ \hline 1 \end{array}$$

22.04.20

L.O. I am learning to add weights (g/kg).



1. Write HTO and write your sum.
2. Start by adding the ones.
3. Then add the tens.
4. Finally add the hundreds.

Let's practise some more sums:

$$\begin{array}{r} \text{H T O} \\ 215 \text{ g} \\ + 273 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 249 \text{ g} \\ + 343 \text{ g} \\ \hline \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 487 \text{ g} \\ + 392 \text{ g} \\ \hline \end{array}$$

22.04.20

L.O. I am learning to add weights (g/kg).



No carrying:

1. $350\text{g} + 245\text{g} =$

2. $310\text{g} + 412\text{g} =$

3. $536\text{g} + 110\text{g} =$

4. $140\text{g} + 159\text{g} =$

5. $257\text{g} + 341\text{g} =$

6. $369\text{g} + 620\text{g} =$

7. $168\text{g} + 20\text{g} =$

8. $54\text{g} + 140\text{g} =$

Carrying once:

1. $458\text{g} + 345\text{g} =$

2. $219\text{g} + 372\text{g} =$

3. $539\text{g} + 211\text{g} =$

4. $143\text{g} + 339\text{g} =$

5. $257\text{g} + 515\text{g} =$

6. $369\text{g} + 129\text{g} =$

7. $1268\text{g} + 325\text{g} =$

8. $2554\text{g} + 146\text{g} =$

Carrying once/twice:

1. $350\text{g} + 495\text{g} =$

2. $547\text{g} + 382\text{g} =$

3. $476\text{g} + 366\text{g} =$

4. $1381\text{g} + 159\text{g} =$

5. $2057\text{g} + 358\text{g} =$

6. $2\text{kg } 369\text{g} + 680\text{g} =$

7. $1\text{kg } 278\text{g} + 299\text{g} =$

8. $3\text{kg } 554\text{g} + 680\text{g} =$

23.04.20

L.O. I am learning to subtract
weights (g/kg).

23.04.20

Mental Maths



You can work these out in your head or write them down if it helps.

Ordering numbers

.....

Put these in order, the largest first.

1. 29, 16, 57, 83, 47
2. 35p, 20p, 50p, 45p
3. 19 cm, 21 cm, 91 cm, 9 cm

Put these in order, the smallest first.

4. 31p, 13p, 11p, 23p
5. 68, 96, 49, 78, 57
6. 35 kg, 67 kg, 25 kg, 68 kg

Write numbers in the boxes so that the 5 numbers are in order.

7. 23 28 35
8. 54 60 69
9. 78 82 86
10. 90 92 100



23.04.20

L.O. I am learning to subtract weights (g/kg).



Today we are revising using column subtraction to subtract weights of objects.

$$\begin{array}{r} \text{H T O} \\ 367 \text{ g} \\ - 234 \text{ g} \\ \hline 133 \text{ g} \end{array}$$

1. Write HTO and write your calculation.
2. Start by subtracting the ones.
3. Then subtract the tens.
4. Finally subtract the hundreds.

The only difference is we add **g** as our unit of measure.

23.04.20

L.O. I am learning to subtract weights (g/kg).



1. Write HTO and write your calculation.
2. Start by subtracting the ones.
3. Then subtract the tens.
4. Finally subtract the hundreds.

Some sums involve exchanging **tens**.

H T O

$$\begin{array}{r} 2 \overset{5}{\cancel{6}} \overset{1}{4} \text{ g} \\ - 138 \text{ g} \\ \hline 126 \text{ g} \end{array}$$

1. We can't do $4 - 8$, so we need to **go next door and exchange a ten**.
2. Cross out the tens digit, move 1 ten across to the ones column.
3. Write the new value of the tens digit.
4. Then solve the rest of the calculation.

23.04.20

L.O. I am learning to subtract weights (g/kg).



Some sums involve exchanging **hundreds**.

$$\begin{array}{r} \text{H T O} \\ \begin{array}{r} \overset{5}{\cancel{6}} \overset{1}{6} 5 \text{ g} \\ - 2 8 3 \text{ g} \\ \hline 3 8 2 \text{ g} \end{array} \end{array}$$

1. Write HTO and write your calculation.
2. Start by subtracting the ones.
3. Then subtract the tens.
4. Finally subtract the hundreds.

1. We can't do $6 - 8$, so we need to **go next door and exchange a hundred**.
2. Cross out the hundreds digit, move 1 hundred across to the tens column.
3. Write the new value of the hundreds digit.
4. Then solve the rest of the calculation.

23.04.20

L.O. I am learning to subtract weights (g/kg).



1. Write HTO and write your calculation.
2. Start by subtracting the ones.
3. Then subtract the tens.
4. Finally subtract the hundreds.

Let's practise some more calculations:

HTO

$$\begin{array}{r} 498\text{ g} \\ - 275\text{ g} \\ \hline \\ \hline \end{array}$$

HTO

$$\begin{array}{r} 384\text{ g} \\ - 229\text{ g} \\ \hline \\ \hline \end{array}$$

HTO

$$\begin{array}{r} 436\text{ g} \\ - 185\text{ g} \\ \hline \\ \hline \end{array}$$

23.04.20

L.O. I am learning to subtract weights (g/kg).



No exchanging:

1. $355\text{g} - 240\text{g} =$

2. $416\text{g} - 212\text{g} =$

3. $536\text{g} - 110\text{g} =$

4. $189\text{g} - 159\text{g} =$

5. $457\text{g} - 341\text{g} =$

6. $369\text{g} - 120\text{g} =$

7. $168\text{g} - 20\text{g} =$

8. $254\text{g} - 40\text{g} =$

Exchanging in the tens:

1. $475\text{g} - 348\text{g} =$

2. $492\text{g} - 379\text{g} =$

3. $533\text{g} - 215\text{g} =$

4. $363\text{g} - 139\text{g} =$

5. $452\text{g} - 215\text{g} =$

6. $368\text{g} - 129\text{g} =$

7. $1761\text{g} - 325\text{g} =$

8. $2554\text{g} - 146\text{g} =$

Exchanging in the hundreds:

1. $658\text{g} - 495\text{g} =$

2. $547\text{g} - 382\text{g} =$

3. $736\text{g} - 366\text{g} =$

4. $1318\text{g} - 157\text{g} =$

5. $2459\text{g} - 364\text{g} =$

6. $2\text{kg } 969\text{g} - 680\text{g} =$

7. $1\text{kg } 278\text{g} - 279\text{g} =$

8. $3\text{kg } 554\text{g} - 680\text{g} =$

24.04.20

L.O. I am learning to solve
weight challenges.

24.04.20

End of week quiz!



CHECK UP 1

Write the number which is:

1. 10 more than 56
2. 1 less than 90
3. 2 more than 68
4. 3 tens more than 60
5. 1 more than 99
6. Which is more, 65p or 56p?
7. Which is shorter, 1 cm or 100 cm?
8. 37 is an even number. True or false?
9. Write the odd numbers between 20 and 30.
10. Write the even numbers between 85 and 95.

What comes next?

11. 10, 8, 6, 4, ,
12. 93, 95, 97, ,
13. 57, 55, 53, ,

Put these in order, the smallest first.

14. 17, 12, 15, 19, 11
15. 12, 20, 2, 22, 21

Write true or false for each sentence.

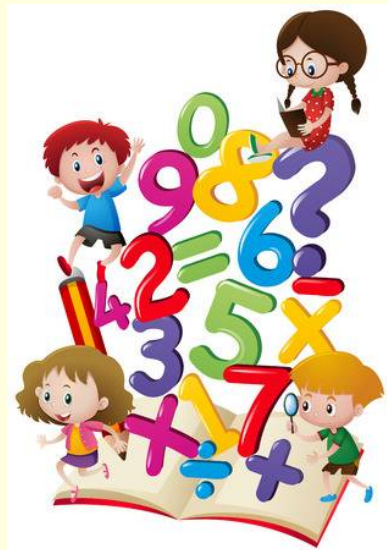
16. 19 is between 20 and 25
17. 31 is between 28 and 35
18. 45 is halfway between 40 and 50
19. 38 is 10 more than 28
20. 43 is 10 less than 33

24.04.20

L.O. I am learning to solve weight challenges.

Today we are using all our learning
this week to solve some challenges.

There are 6 challenges, you can choose
how tricky you want the challenge to be 😊



24.04.20

L.O. I am learning to solve weight challenges.



Hi, I'm Willy Wonka and I own a Chocolate Factory!

Can you help me solve some problems in my factory?

24.04.20

L.O. I am learning to solve weight challenges.



One Laffy Taffy bar weighs 13g.

Laffy Taffy's are delivered in boxes. I can fit 5 bars in one box.
How much will one box weigh?

Show your working out.

Laffy Taffy's are delivered in boxes. I can fit 8 bars in one box.
How much will one box weigh?

Show your working out.

Laffy Taffy's are delivered in boxes. I can fit 12 bars in one box.
How much will one box weigh?

Show your working out.

24.04.20

L.O. I am learning to solve weight challenges.



A box of **Rainbow Nerds** weighs 425g.
In each pack, each colour weighs:

Yellow = 150g

Green = 74g

Pink = 85g

Purple = 61g

I want to make two boxes of **Rainbow Nerds** to give to my brother. How many of each colour nerd do I need?

Show your working out.

Yellow =

Green =

Pink =

Purple =

Red nerds have not been included above. How much do the red nerds weigh in each box?

Show your working out.

Red =

Rainbow Nerds boxes are delivered in groups of 4. How many of each colour nerd do I need to fill 4 boxes for delivery?

Show your working out.

Red =

24.04.20

L.O. I am learning to solve weight challenges.



The total weight of a box of **Wonka Observatory Collection Truffles** is **350g**.

Each box contains 12 truffles.

1 truffle = 25g

One box of **Wonka Observatory Collection Truffles** had only **10 truffles** in it. How much did the box weigh?

Show your working out.

How many more truffles do I need to add so the box is full?

How much do 3 boxes of **Wonka Observatory Collection Truffles** weigh?

Show your working out.

How many truffles will I have if I have 3 boxes full?

What is the total weight of all 12 truffles?

Show your working out.

12 truffles = g

What is the weight of the *empty* box?

Empty box = g

24.04.20

L.O. I am learning to solve weight challenges.



One box of 12 Everlasting Gobstoppers weighs 170g.
The empty box weighs 14g.

How much do the 12
Everlasting Gobstoppers weigh?

Show your working out.

12 gobstoppers = g

How much do 3 empty
boxes weigh?

Show your working out.

How much do 3 full boxes weigh?

Show your working out.

How much do the 12
Everlasting Gobstoppers weigh?

Show your working out.

12 gobstoppers = g

What is the weight of
half a packet of gobstoppers?

Half a box = g

24.04.20

L.O. I am learning to solve weight challenges.



One Wonka *Inventing Room* Peanut Butter & Jam bar weighs 160g.

The ingredients weigh:

Cocoa = 60g

Peanut Butter = 30g

Jam = 30g

Sugar = 40g

What is the total weight of three bars?

Show your working out.

What is the total weight of jam needed for three bars?

Show your working out.

What is the total weight of ingredients needed for three bars?

Show your working out.

Cocoa =

Peanut Butter =

Jam =

Sugar =

One of my chefs accidentally puts in double the amount of cocoa. How much cocoa did my chef put in?

Show your working out.

What is the weight of the bar with double the amount of cocoa?

Show your working out.

24.04.20

L.O. I am learning to solve weight challenges.



A small **Golden Chocolate Egg** weighs 100g.

The ingredients weigh:

Cocoa = 50g

Sugar = 30g

Gold Luster = 20g

Willy Wonka wants to make a giant **Golden Chocolate Egg** that is **4 times bigger!**

What will the giant **Golden Chocolate Egg** weigh?

Show your working out.

Willy Wonka wants to make a giant **Golden Chocolate Egg** that is **6 times bigger!** What will the giant **Golden Chocolate Egg** weigh?

What will the ingredients needed weigh?

Cocoa =

Sugar =

Gold Luster =

Show your working out.

Willy Wonka wants to make a giant **Golden Chocolate Egg** that is **8 times bigger!** What will the giant **Golden Chocolate Egg** weigh?

What will the ingredients needed weigh?

Cocoa =

Sugar =

Gold Luster =

Show your working out.