

Year 1 maths home learning

Week 9









This week's home learning is all about exploring weight.

Task 1

Have a look around your house and collect a variety of different objects. Have a feel of the objects and think about which is heavier and which is lighter. Can you order the objects from lightest to heaviest? Objects you could use; a football, a spoon, a bag of sugar, a toy, lego bricks, a book etc. If you have any small objects that are heavy such as a paper weight you could use this to demo straight that small objects are not always lighter than big objects and vice versa. Here is an interactive game which uses balancing scales to show lighter and heavier objects.

<http://www.lcfclubs.com/lcf-maths/flash04/z04-games/z04-heavier-and-lighter.asp>

Below are some problems you can talk through with you child.

<p>My box balances with 8 bricks, my friend's box takes 3 fewer bricks to balance. How many bricks does it take to balance my friend's box?</p> 	<p>I weigh some books using a balance scale. I make towers from the bricks that they balance with. Which is the heaviest book? Which is the second heaviest? Which is the lightest?</p> 	<p>Choose 3 classroom objects that feel to be different weights. Line them up from lightest to heaviest. Ask a friend to feel them to see if they agree with you.</p> 
<p>I weigh some toys using a balance scale. I make towers from the bricks they balance with. Which tower should go next to which toy?</p> 	<p>Choose some different sized objects. Is the largest object always the heaviest? Why? Why not?</p> 	<p>Which of the boxes looks the heaviest? Which is the heaviest? Find some containers with weights on. Can you trick your friends?</p> 

Task 2

Exploring how weight is measured. Take a look at this short video clip which show how things are measured in grams or kilograms.

<https://www.bbc.co.uk/bitesize/clips/z7w7tfr>

Explore how much things weigh by looking at different food packets in your house. Can your child find how much the packet of food weighs by looking at the weight on the packet? Items you could look at; a bag of sugar 1kg, a bag of flour 500g, a can of beans 400g, a block of cheese 550g, a block of butter 250g.

Next you can move onto weighing items using a set of scales (if you have them) to weigh different objects. Help your child to weigh and read the amount on the scales. If you have digital scales this will be easier for your child to read. If you are using mechanical scales you will need to help your child to read the scales, please note that your child does not need to be able to read the scales so you can support this as much as you need to. Here is an interactive game you might like to use to explore weighing items and reading scales to challenge your child.

<https://www.ictgames.com/mobilePage/mostlyPostie/index.html>

Task 3

Can you get creative and use your weighing skills to bake a tasty treat? We would love to see some pictures of your creations. Here are a couple of recipes to get you started but you can make whatever you like. Have fun weighing out all of the ingredients.

<https://www.bbcgoodfood.com/recipes/iced-fairy-cakes>



<https://www.bbcgoodfood.com/recipes/vintage-chocolate-chip-cookies>



Challenges and problem solving

1. I weigh out 12g of grapes. How many more grams of grapes must I add to make 20g?
2. A carrot weighs 11g. The total weight of a carrot and some raisins is 18g. How much do the raisins weigh?
3. I weigh out 18g of Lego bricks. Each brick weighs 1g. If I take out 5 Lego bricks. How much will I be left with?
4. A pencil weighs 8g, a sharpener weighs 5g and a rubber weighs 6g. How much do they weigh altogether?
5. I have 5 sweets that weigh 10g altogether. How much will 10 sweets weigh?
6. I have 3 toys that weigh 20g altogether. How much could each toy weigh? How many possibilities can you find?
7. A bag of sugar weighs 1kg. If I weigh out 15kg. How many bags of sugar do I have?
8. 2 bags of sweets weigh 16g altogether? How much does 1 bag weigh?
9. Which is heavier 1kg of feathers or 1kg of rocks?
10. I have 25g of sweets. I eat 8g of them. How many grams of sweets do I have left?