

WALT: To make your own balance scales.

Warm up: https://www.youtube.com/watch?v=47qcisr8_3o - Cartoon for Kids!!

Measurement balance. Maths for Children

This week in Maths we are thinking all about weight and capacity so your project this week is to make your own balance scales.

<https://www.wikihow.com/Make-a-Balance-Scale-for-Kids> - Instructions and video clips to help you make your own balance scales.

You will need:

- Hole punch
- 2 paper/ plastic cups
- Twine/ string/ thick wool
- 1 Notched clothes hanger
- Stickers/ Pens etc to decorate their balance scales.

Instructions:

1. Punch 2 holes in each cup. Make the holes close to the rim of the cups and on opposite sides.
2. Cut 2 pieces of twine that are each around 30cm long.
3. Tie the ends of the twine through the holes in the cups. Use 1 piece of twine per cup. When you have finished, the twine pieces should form thin handles on the cups, like the cups are little buckets.
4. Find a notched clothes hanger. A plastic, metal, or wooden hanger will work, as long as it has a notch on both sides of the hook. Otherwise, the paper buckets will slip and fall right off the scale.
5. Hang the buckets on the clothes hanger using the twine handles. Hang the cups on opposite sides of the clothes hangers in the notches. When you have finished, lift up the scale and hold it by the top to examine the buckets. Both buckets should be hanging at the same level — if one is higher than the other, you will need to adjust the twine handles.
6. Decorate the buckets on their new balance scale.

Now have a hunt around your house and test out your theories from yesterday of items that you thought were heavy and items that you thought were light. Was your human balance scale correct?

You can use your balance scale by hanging it on a doorknob. Doorknobs are great to hang balance scales from because they are low enough for children to reach them. If you cannot find a doorknob to use, look for any kind of handle or bar you can hook the clothes hanger onto.

I look forward to seeing your balance scales so do not forget to email your photos to me!