

Monday 24th August

Recall

Recall the story you heard last week about Azra and Selma.

1. Azra had a market stall where he sold grain, legumes and spices. Before he got married, how did he measure his goods?
2. When Azra got married, his wife Selma did not think his method of measurement was accurate enough. She came up with a way for the goods to be measured against something else. What was her idea?
3. Selma's plan worked so well that sales soared and people were buying very large quantities of food. Azra's arms and back were always sore by the end of the day. How did Selma solve this problem?

Think back to the scales that you made on Friday. Here are some photos of scales that others in the class made.

Activities

Measuring objects that look the same:

It is not always possible to estimate or guess the weight of something by its appearance. If possible, this activity can be done with siblings. You will need preferably 6 or more items that are exactly the same in appearance. They can be marked with different colours so that they can be distinguished. **It is important that this activity is set up for the children by an adult.**

When the objects are set out, guess their weight from lightest to heaviest. An adult will need to order the objects for the child. Once this has happened, the child can check to see if their guesses were correct by picking up the bags. Now that they can feel how heavy they are, they can reorder the objects from lightest to heaviest. If they still have the scales they made last week, they can check the weight on the scales.

Finally, measure the objects on an electric scale, this will tell them exactly how much the objects weigh in a measurement called grams. They'll most likely see a number with a little g next to it. We will talk about grams and other measurements a little more over the next couple of days. For now, do they think grams is a large or small unit of measurement? If they had to compare it to metres, centimetres or millimetres, which one do they think it is most like? Is it a good measure of very heavy things, slightly heavy things or very light things?

Comparing objects:

If you haven't already, set out five pairs of objects that are different from the ones used on Friday. You should have 10 objects altogether. For each pair of objects your child will need to:

1. Look at the objects and guess which one is heavier.
2. Lift the objects and decide which one is heavier.
3. Double check that they are right using a scale.

Bookwork

In your main lesson book (large red book) write about and draw 3 of the pairs of objects. One sentence and drawing should be about an object that is heavier, another about an object that is lighter and the third sentence about objects of equal weight. If none of the pairs of objects were equal, see if you can find two objects that are equal.

The top half of my picture is an example of what you need to do. Below this are instructions and the words: heavier, lighter and equal. Each sentence should contain one of these words.

The cup of tea is heavier than the candle.



Draw three pictures of things you measured and write matching sentences using these words:

heavier lighter equal

Maths

Do the following sums in your maths practice book (medium red book). You do not need to write out the questions.

How many cm is there in 250mm?

How many cm is there in 460mm?

How many mm is there in 37cm?

How many mm is there in 530cm?

Jimmy is 145cm tall and his brother is 93cm tall. How much taller is Jimmy in mm?

Jess is 122cm tall and she wanted to be taller. She put on her mother's high heel shoes, which were 9cm high and a top hat which was 25cm high. How tall is she now in mm?

Metres and centimetres

The driveway is 4m long. How long is it in centimetres?

The backyard is 13 metres long. How long is it in centimetres?

The bedroom is 400cm wide, how wide is it in metres?

The loungeroom is 800cm long, how long is it in metres?

Metres and millimetres

The driveway is 6m long. How long is it in millimetres?

The backyard is 9m long. How long is it in millimetres?

The bedroom is 5000mm long. How long is it in metres?

The loungeroom is 8000mm long. How long is it in metres?